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BULLETIN

THE

PUBLIC HEALTH

PUBLIC WEALTH

STATE BOARD OF HEALTH OF KENTUCKY

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CIRCULATION 25,000 REPRESENTATIVE PEOPLE OF KENTUCKY.
ADVISE US OF A CHANGE OF ADDRESS.
MAILED TO ANY CITIZEN OF THE STATE FOR THE ASKING.
PRESERVE THIS BULLETIN.

LIST OF PUBLICATIONS OF THE STATE BOARD OF HEALTH

That May Be Secured Upon Request:

MONTHLY BULLETINS.
BIENNIAL REPORTS.
PREVENTIVE DISEASE, CIRCULARS ON

Consumption,
Typhoid Fever,
Scarlet Fever,
Smallpox,
Diphtheria,

Hookworm,
Pellagra,
Infantile Paralysis,
Measles,
Whooping Cough,
Kentucky Sanitary Privy.

BUREAU OF VITAL STATISTICS—Reminders.

Physicians are required to report births within ten days to the local registrar in whose district the birth occurs.

Failure to report births may deprive the individual of personal, social or property rights and is a violation of law.

Undertakers or persons acting as such are required to secure a complete death certificate before they can secure a permit to bury a body.

Failure to secure a certificate of death which gives the cause of death and family history, may deprive a widow or orphan of a pension or insurance fund, prevent the State Board of Health from locating an epidemic which it can stop, cause the spread of disease and is a violation of law.

Local registrars should inform the State Registrar of violations of the law, giving names and addresses and the facts.

If an epidemic occurs in a community local registrars should inform the State Registrar, that the State Board of Health may take steps at once to stop the spread of the disease.

MAKE REPORTS PROMPTLY ON THE TENTH
OF THE MONTH.

Bulletin of the State Board of Health of Kentucky

June 1, 1921.

Dr. A. T. McCormack, Secretary,
State Board of Health,
Louisville, Kentucky.

Dear Sir:—A preliminary report of Vital Statistics for Kentucky for the year 1920 is herewith submitted. A later and more complete compilation may show some slight variation of figures and rates.

Respectfully,

J. F. BLACKERBY,

State Registrar

The department received during the year 28,823 death, and 62,368 birth certificates, a total of 91,191.

Our local registrars report that for the most part the physicians, midwives and undertakers are cheerfully and willingly complying with the law, but some few cases have been found where it was necessary to take out warrants for offenders, or cite them to appear before the board in order to convince them that they must fulfill their obligation in the matter of birth and death registration.

The difficulty experienced in getting death certificates when no licensed undertaker is in charge of the burial is evidence of the need of legislation requiring all persons or firms furnishing coffins for such burials to make a monthly report to the State Registrar, giving such information as may be asked for on blanks furnished them.

This report concludes the ten-year period since the establishment of the bureau under the Act of 1910, and as the 1919 report contained averages for the first five years, it was deemed sufficient to give in the tables herewith, total figures per year from 1916 to 1920 for comparative study. The detail tables for Meningitis and Pellagra were discontinued since the number of deaths was so

small as to preclude any idea of their being epidemic.

The wide variation of the birth and death rates in some counties as compared with the 1919 report is due to the change in the population figures as reported from the 1920 census.

Birth tables for 1919 and 1920 are included in this report, and show total births, rate, color, sex, plural and stillbirths for the State and counties.

The number of births reported, 62,368, is the largest for the ten years with the exception of 1913, which had 63,510; while the death report, 28,823, is the lowest for the period, being 90 less than 1915. The death rate of 12.0 is slightly less than the average for the registration area of the United States for 1919, which was 12.9.

Some of the most pertinent facts revealed by a study of the mortality tables are the continued reductions of the death rate from Tuberculosis, Typhoid Fever and those diseases affecting infant mortality, particularly Diarrhoea—Enteritis.

The death rate from Tuberculosis, 150.4 per 100,000 population, while 25 higher than the average for the entire registration area, is 10 per cent lower than for 1919, and shows that the persistent fight against this disease is producing creditable results.

Typhoid Fever caused 471 deaths, or a rate of 19.5. This is 165 fewer deaths than in 1919, but still double the average for the balance of the registration area, which fact reminds us that there is yet much to be done in the matter of impressing the people with the fact that this disease is absolutely preventable.

With the largely increased number of births reported, it is gratifying to know that the infant mortality rate of 70 per 1,000 living births is a reduction of over 12 per cent from the previous year.

Deaths from Diphtheria increased during 1920, and in view of the fact that the State

Board of Health has made antitoxin available for every physician in the State, this condition would not obtain if the doctor is called in time and permitted to use the antitoxin.

Whooping Cough, Measles and Scarlet Fever continue to take their toll of human life, largely due to the fact that the average parent will not regard these children's diseases with the proper seriousness and observe the quarantine rules that the health authorities prescribe. Human life will ever be the penalty for indifference to the laws and regulations that modern science has proved are necessary to health and happiness.

TABLE 1.

Preliminary Report of Deaths and Rates for White and Colored.

	Total		White		Colored	
Estimated population	2,416,087		2,151,763		264,324	
	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total deaths (exclusive of stillbirths)	28,823	12.0	24,107	11.2	4,716	17.8
Important Ages						
Under 1 year	4,558		3,977		581	
1 to 5 years	2,171		1,909		262	
65 years and over	7,882		6,999		883	
Important Diseases						
Tuberculosis (all forms)	3,644	150.4	2,786	129.4	848	320.8
Pneumonia	2,881	117.5	2,310	107.3	541	204.6
Whooping Cough	349	14.4	283	13.1	66	24.9
Diphtheria—croup	423	17.3	394	18.3	29	10.9
Scarlet fever	54	2.2	51	2.3	3	1.1
Meningitis	330	13.6	298	13.8	32	12.1
Measles	242	10.0	230	10.6	12	4.5
Typhoid fever	471	19.5	395	18.3	76	28.7
Diarrhoea—enteritis (infant)	902	37.3	815	37.8	87	32.9
Diarrhoea—dysentery (adult)	552	22.8	463	21.5	89	33.6
Influenza (lagrippe)	2,373	98.2	2,088	97.0	285	107.8
Puerperal septicemia	176	7.2	155	7.2	21	7.9
Malaria	60	2.4	44	2.0	16	6.0
Infantile paralysis	17	.7	16	.7	1	.4
Syphilis	114	4.7	74	3.4	40	15.1
Cancer	1,316	54.4	1,171	54.4	145	55.2
Violence	1,609	66.5	1,366	63.0	243	91.9
Pellagra	66	2.7	59	2.7	7	2.6

TABLE 2.
WHITE AND COLORED DEATHS IN ELEVEN CITIES.

	All Deaths	Rate Per Thousand	Tuberculosis (All Forms)	Pneumonia	Whooping Cough	Diphtheria	Measles	Typhoid Fever	Diarrhoea (Under 2 yrs.)	Influenza	Cancer	Violence	Malaria
11 Ky. Cities—Total....	7,185	15.3	781	763	52	60	34	54	154	319	463	432	5
White	5,442	14.0	515	524	34	48	32	35	125	245	394	349	3
Black	1,743	22.0	266	239	18	12	2	19	29	74	69	83	2
Ashland—Total	189	19.2	16	14	4	3	2	0	10	15	8	16	0
White	182	19.5	14	14	4	3	2	0	10	15	7	14	0
Black	7	12.7	2	0	0	0	0	0	0	0	1	2	0
Newport—Total	325	10.2	37	45	1	2	8	4	6	6	27	10	0
White	307	9.8	31	40	1	2	8	4	5	6	27	8	0
Black	18	20.8	6	5	0	0	0	0	1	0	0	2	0
Hopkinsville—Total	191	17.7	33	22	1	2	0	11	3	9	11	9	0
White	95	15.6	12	10	1	1	0	4	0	5	5	6	0
Black	96	20.3	21	12	0	1	0	7	3	4	6	3	0
Owensboro—Total	342	19.2	40	16	10	2	0	5	15	30	21	15	1
White	278	19.0	29	13	7	1	0	5	15	23	18	13	1
Black	64	20.2	11	3	3	1	0	0	0	7	3	2	0
Lexington—Total	909	21.6	123	103	3	1	3	11	12	37	47	64	0
White	576	19.0	65	53	2	1	3	8	6	28	33	47	0
Black	333	28.4	58	50	1	0	0	3	6	9	14	17	0
Frankfort—Total	161	14.5	37	10	2	2	0	2	2	4	9	12	0
White	118	13.8	21	7	2	1	0	2	2	4	9	11	0
Black	43	16.8	16	3	0	1	0	0	0	0	0	1	0
Henderson—Total	167	13.6	14	16	0	1	0	2	6	13	6	10	0
White	107	10.8	8	14	0	1	0	1	4	11	4	7	0
Black	60	25.2	6	2	0	0	0	1	2	2	2	3	0
Louisville—Total	3,512	14.5	321	396	21	30	6	13	77	119	241	233	3
White	2,621	13.2	217	265	11	23	5	9	62	82	207	190	1
Black	891	21.2	104	131	10	7	1	4	15	37	34	43	2
Covington—Total	872	15.3	90	91	4	8	12	3	15	45	67	31	0
White	804	14.8	80	79	4	8	11	2	15	41	63	30	0
Black	68	22.6	10	12	0	0	1	1	0	4	4	1	0
Paducah—Total	366	14.7	52	40	5	5	2	2	5	19	16	22	1
White	245	13.2	27	22	1	3	2	0	4	16	15	14	1
Black	121	19.8	25	18	4	2	0	2	1	3	1	8	0
Bowling Green—Total	151	15.4	18	10	1	4	1	1	3	22	10	10	0
White	109	14.8	11	7	1	4	1	0	2	14	6	9	0
Black	42	17.3	7	3	0	0	0	1	1	8	4	1	0

TABLE 3—SHOWING PREVENTABLE SICKNESS AND DEATHS IN KENTUCKY

	CASES					DEATHS				
	1916	1917	1918	1919	1920	1916	1917	1918	1919	1920
Tuberculosis (all forms).....	25,746	26,820	27,972	23,424	21,804	4,291	4,470	4,662	3,904	3,634
Pneumonia	32,508	37,968	47,736	32,592	34,572	2,709	3,164	3,978	2,716	2,881
Infantile diarrhoea	24,980	27,720	22,240	19,940	18,040	1,249	1,386	1,112	997	902
Typhoid fever	10,650	12,345	9,375	9,540	7,065	710	823	625	636	471
Diarrhoea—dysentery										
(over 2 years)	12,475	17,700	19,775	18,850	23,800	499	708	791	754	552
Diphtheria—croup	4,010	3,130	2,490	3,520	4,230	401	313	249	352	423
Measles	6,800	38,400	14,000	10,250	12,100	136	768	280	205	242
Whooping cough	12,050	23,850	41,250	10,250	17,450	241	477	825	207	349
Cancer						1,120	1,215	1,214	1,192	1,316
Violence						1,584	1,909	1,775	1,599	1,609
Total births	61,077	61,217	61,300	57,730	62,368					
Total deaths	29,752	32,929	39,449	30,900	28,821					

Ratio Existing Between Cases and Deaths.

Tuberculosis	1 death out of each 6 cases.
Pneumonia	1 death out of each 12 cases.
Whooping cough	1 death out of each 50 cases.
Diphtheria—croup	1 death out of each 10 cases.
Scarlet fever	1 death out of each 40 cases.
Measles	1 death out of each 50 cases.
Typhoid fever	1 death out of each 15 cases.
Diarrhoea (infants)	1 death out of each 20 cases.
Diarrhoea (adults)	1 death out of each 25 cases.

Prof. Fisher's estimated cost per case including time	\$94.00
Prof. Fisher's estimated value of each life (deaths)	\$1,700.00

State Institutions.

Kentucky School for the Deaf (Danville).
 Kentucky Institution for the Blind (Louisville).
 Kentucky Feeble-Minded Institute (Frankfort).
 Kentucky State Hospital, Eastern (Lexington).
 Kentucky State Hospital, Central (Lakeland).
 Kentucky State Hospital, Western (Hopkinsville).
 Kentucky Penitentiary (Frankfort).
 Kentucky Penitentiary, Branch (Eddyville).
 Kentucky Houses of Reform (Greendale).
 Kentucky Children's Home Society (Inc.) (Louisville).
 Kentucky Home Society for Colored (Louisville).
 Kentucky Confederate Home (Pewee Valley).
 Kentucky Tuberculosis Sanatorium (Hazelwood).

TABLE 4—DEATH RATE PER 100,000 POPULATION FOR EACH COUNTY.

	Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases		Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases
State of Kentucky	150.4	19.5	524.8	Boyd	129.8	17.1	647.0
Adair	190.8	17.9	399.8	Boyle	154.1	6.7	596.3
Allen	173.0	53.6	412.0	Bracken	151.9	9.8	607.2
Anderson	131.2	50.0	500.9	Breathitt	53.6	14.5	300.7
Ballard	149.4	16.6	531.3	Breckinridge	162.7	15.3	508.8
Barren	232.6	27.6	591.2	Bullitt	171.4	21.2	385.9
Bath	217.5	33.3	650.0	Butler	151.0	6.6	460.5
Bell	59.0	11.8	414.8	Caldwell	164.9	43.0	572.5
Boone	125.6	9.4	438.7	Calloway	134.8	33.4	451.9
Bourbon	130.5	21.6	515.7	Campbell	140.8	14.6	431.6

	Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases		Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases
Carlisle	158.0	12.2	607.5	Livingston	144.4	10.4	462.4
Carroll	226.8	0.0	644.9	Logan	157.1	8.5	495.1
Carter	151.1	22.1	673.3	Lyon	148.2	22.8	272.9
Casey	145.0	0.0	435.8	McCracken	183.2	24.2	579.9
Christian	331.6	61.4	780.3	McCreary	59.8	0.0	359.6
Clark	320.8	28.8	716.9	McLean	104.3	56.1	584.0
Clay	51.0	0.0	202.3	Madison	204.8	26.6	506.1
Clinton	128.1	46.5	407.4	Magoffin	36.1	14.8	238.1
Crittenden	114.3	7.6	312.4	Marion	148.4	25.8	643.9
Cumberland	131.5	46.9	413.2	Marshall	105.3	19.8	578.6
Daviess	157.1	41.9	596.6	Martin	117.7	26.2	339.7
Edmonson	91.8	27.5	385.3	Mason	168.8	33.8	439.2
Elliott	112.5	33.7	528.8	Meade	169.8	42.4	614.3
Estill	90.0	0.0	353.2	Menifee	52.1	34.6	415.2
Fayette	254.3	20.1	673.2	Mercer	169.3	13.5	432.4
Fleming	115.3	6.4	537.9	Metcalfe	99.2	39.6	425.7
Floyd	40.1	21.9	215.1	Monroe	162.2	28.2	408.2
Franklin	242.8	15.5	516.6	Montgomery	196.7	8.2	539.2
Fulton	171.2	6.6	618.4	Morgan	78.7	42.4	484.2
Gallatin	193.0	0.0	514.5	Muhlenberg	153.4	30.0	581.7
Garrard	208.0	8.0	448.0	Nelson	198.7	37.3	631.9
Grant	134.2	0.0	479.1	Nicholas	161.6	31.5	485.3
Graves	215.5	24.6	680.4	Ohio	147.2	11.3	540.2
Grayson	100.0	15.0	441.6	Oldham	78.3	0.0	455.2
Green	114.0	17.5	272.2	Owen	222.2	15.9	652.1
Greenup	104.6	20.0	633.1	Owsley	64.1	0.0	473.2
Hancock	129.5	14.5	590.4	Pendleton	93.9	0.0	455.2
Hardin	119.5	24.7	403.5	Perry	92.2	15.4	530.8
Harlan	76.0	19.0	675.1	Pike	64.7	34.3	377.9
Harrison	215.2	6.2	658.2	Powell	119.5	0.0	459.6
Hart	184.8	21.6	382.9	Pulaski	120.6	23.5	373.5
Henderson	195.6	10.8	116.8	Robertson	51.6	0.0	335.9
Henry	186.8	14.9	692.0	Rockcastle	71.4	45.4	396.1
Hickman	208.8	19.6	615.2	Rowan	126.7	31.7	528.0
Hopkins	208.8	23.5	610.9	Russell	159.8	8.4	303.8
Jackson	34.5	0.0	300.3	Scott	150.3	13.1	430.9
Jefferson	184.8	6.3	513.7	Shelby	156.9	21.3	626.0
Jessamine	213.1	8.0	819.0	Simpson	225.6	36.1	591.9
Johnson	137.8	30.6	601.4	Spencer	141.0	12.8	552.3
Kenton	152.5	6.8	650.7	Taylor	123.0	0.0	334.9
Knott	77.2	25.6	446.4	Todd	210.3	19.1	554.1
Knox	82.7	33.1	666.1	Trigg	267.8	28.1	633.4
Larue	240.0	20.0	570.0	Trimble	166.6	0.0	332.7
Laurel	70.7	10.1	414.1	Union	127.5	16.7	278.7
Lawrence	113.4	22.6	487.5	Warren	181.9	9.7	596.2
Lee	92.5	0.0	276.9	Washington	87.7	26.9	270.3
Leslie	128.7	29.7	415.8	Wayne	61.6	24.7	289.9
Letcher	57.2	8.2	351.5	Webster	129.8	43.6	428.7
Lewis	177.4	18.9	802.3	Whitley	54.2	43.5	450.5
Lincoln	194.3	24.3	691.8	Wolfe	90.9	56.8	523.9
				Woodford	195.0	8.5	560.0

**TABLE 5—TOTAL DEATHS REPORTED AND RATE PER 1,000 POPULATION FOR FIVE YEARS,
1916—1920**

	1916		1917		1918		1919		1920	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Kentucky	29,752	25.6	32,929	25.6	39,449	25.5	30,900	23.8	28,823	12.0
COUNTIES										
Adair	183	10.4	217	12.3	271	15.2	218	12.2	154	8.9
Allen	226	15.0	206	13.7	229	14.8	205	13.6	190	11.3
Anderson	137	13.4	132	12.9	164	16.0	159	15.5	118	11.8
Ballard	151	10.9	161	11.4	147	10.3	108	7.5	116	9.7
Barren	335	12.6	387	14.4	490	18.1	338	12.5	326	12.8
Bath	187	13.4	165	11.8	179	12.8	191	13.5	160	13.3
Bell	335	9.2	609	16.1	496	12.6	306	7.8	299	8.9
Boone	101	10.7	124	13.2	105	11.1	102	10.8	129	13.5
Bourbon	262	15.0	247	14.1	289	16.5	314	17.9	295	15.9
Boyd	338	12.8	388	14.5	595	21.2	376	13.7	411	14.6
Boyle	206	13.5	252	16.5	302	19.6	226	14.0	229	15.3
Bracken	125	12.1	107	10.4	129	12.5	110	10.6	134	13.2
Breathitt	143	7.4	151	7.6	274	13.5	137	6.8	127	6.3
Breckinridge	258	12.1	244	11.4	271	12.2	202	9.4	227	11.6
Bullitt	131	11.4	182	19.2	150	13.7	101	10.6	122	13.0
Butler	172	10.9	133	8.4	143	9.1	122	7.7	122	8.1
Caldwell	161	11.4	177	12.6	170	12.1	170	12.1	175	12.5
Calloway	198	9.4	229	10.7	238	10.8	206	9.4	190	9.5
Campbell	792	12.7	815	12.9	1,017	15.9	719	11.1	718	11.1
Carlisle	102	19.8	126	13.9	135	14.4	83	9.1	89	11.0
Carroll	109	13.4	105	12.9	120	14.7	118	14.5	122	14.6
Carter	260	11.3	302	13.0	499	21.3	305	13.0	256	11.3
Casey	171	10.9	173	11.0	167	10.5	127	8.1	137	8.0
Christian	653	16.6	746	19.0	880	22.2	771	19.4	654	18.3
Clark	257	13.7	321	16.9	332	17.4	301	15.8	318	18.3
Clay	120	6.2	143	7.3	203	10.2	152	7.2	118	6.0
Clinton	16	1.9	51	6.1	47	5.6	46	5.4	63	7.3
Crittenden	128	9.3	126	9.5	171	12.8	134	10.0	101	7.6
Cumberland	89	8.6	99	9.4	107	10.1	72	6.7	77	7.2
Daviess	640	15.1	658	15.4	813	18.9	605	14.0	581	14.2
Edmonson	101	9.5	120	11.2	133	12.3	124	11.6	91	8.4
Elliott	110	11.2	98	10.0	128	13.0	110	11.2	87	9.9
Estill	117	9.3	114	9.0	179	14.0	100	7.8	99	6.3
Fayette	1,035	20.2	1,164	22.4	1,394	26.6	1,142	21.6	1,030	18.8
Fleming	192	11.9	207	12.9	231	14.4	216	13.4	196	12.6
Floyd	94	4.6	128	6.1	279	13.2	96	4.5	132	4.9
Franklin	306	14.4	346	16.2	434	20.3	280	13.1	265	13.6
Fulton	240	15.3	299	19.4	302	18.6	181	11.1	215	14.1
Gallatin	56	11.9	66	14.1	52	11.1	42	8.9	41	8.7
Garrard	135	11.4	118	9.9	185	15.6	161	13.5	124	9.9
Grant	136	12.9	139	13.1	131	12.4	151	14.3	124	11.9
Graves	394	11.7	432	12.8	482	14.2	380	11.2	414	12.7
Grayson	244	12.2	217	10.8	246	12.3	225	11.2	174	8.7
Green	108	9.1	103	8.7	133	11.2	106	8.9	86	7.6
Greenup	234	11.5	284	13.7	361	17.2	251	11.9	242	11.9
Hancock	80	13.9	92	10.8	83	9.8	89	10.5	96	13.9
Hardin	234	10.3	288	12.7	398	17.5	300	13.2	238	9.8

**TOTAL DEATHS REPORTED AND RATES PER 1,000 POPULATION FOR FIVE YEARS,
1916-1920—Continued.**

COUNTIES.	1916		1917		1918		1919		1920	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Harlan	234	21.2	259	23.3	520	45.5	334	29.9	441	14.0
Harrison	245	14.5	195	11.6	232	13.7	208	12.3	223	14.1
Hart	200	11.0	216	11.9	240	13.2	204	11.2	148	8.0
Henderson	411	14.0	484	16.5	565	19.2	402	13.7	387	14.0
Henry	167	12.2	176	12.8	192	13.9	208	15.2	180	14.9
Hickman	138	11.7	132	15.5	145	12.3	118	10.0	142	13.9
Hopkins	420	11.6	507	13.8	572	15.4	447	12.0	457	13.5
Jackson	60	5.5	90	8.3	99	9.1	75	6.9	65	5.6
Jefferson	4,332	15.4	4,867	17.1	6,089	25.1	4,870	16.9	4,331	15.1
Jessamine	168	12.8	162	12.4	232	17.6	212	16.0	152	12.4
Johnson	183	9.2	181	8.9	246	11.9	201	9.7	201	10.2
Kenton	1,073	14.4	1,209	16.2	1,402	18.4	918	13.4	1,056	14.4
Knott	95	7.9	100	8.1	131	10.5	114	9.1	92	7.9
Knox	251	10.0	354	13.8	491	18.8	340	13.0	284	11.7
Larue	138	12.9	125	11.7	152	14.2	113	10.4	132	13.2
Laurel	203	9.5	195	9.1	299	13.7	154	7.0	164	8.3
Lawrence	191	9.4	224	10.9	239	11.7	169	8.2	176	10.0
Lee	75	7.1	95	8.9	100	9.3	84	7.8	62	5.2
Leslie	81	7.8	170	6.6	146	13.5	79	7.3	85	8.4
Letcher	202	17.5	262	22.4	266	22.5	172	14.5	164	6.7
Lewis	167	9.9	237	14.0	247	14.6	234	13.8	223	14.1
Lincoln	246	13.4	256	13.8	301	16.2	255	13.7	266	16.1
Livingston	114	10.7	132	12.4	138	12.9	115	10.8	103	10.6
Logan	285	11.4	312	12.5	359	14.4	254	10.1	273	11.6
Lyon	84	8.8	110	11.6	128	13.4	92	9.6	69	7.9
McCracken	623	15.9	622	15.7	823	20.4	583	14.4	509	13.7
McCreary	95	9.5	137	17.1	167	20.8	104	13.0	100	8.6
McLean	137	9.9	131	13.1	211	15.2	148	10.6	162	12.9
Madison	316	11.4	353	12.6	379	13.5	335	11.9	322	12.8
Magoffin	109	7.4	123	8.3	155	10.3	96	6.3	87	6.3
Marion	216	13.2	271	16.6	300	18.3	296	18.0	208	13.4
Marshall	152	8.9	152	8.8	178	10.2	133	7.6	160	10.5
Martin	63	7.6	58	6.9	98	11.5	39	4.6	51	6.7
Mason	293	15.7	287	15.4	259	13.9	278	14.9	220	12.4
Meade	126	12.8	139	14.2	153	15.6	119	12.1	124	13.2
Menifee	65	10.6	54	8.8	58	9.4	66	10.7	49	8.5
Mercer	199	14.2	214	15.2	222	15.8	193	13.7	168	11.4
Metcalfe	95	8.8	141	13.1	109	10.1	123	11.3	100	9.9
Monroe	174	12.4	178	12.6	189	13.3	200	14.1	150	10.6
Montgomery	167	13.0	152	11.8	218	16.9	163	12.9	147	12.1
Morgan	162	8.9	187	9.9	235	12.3	191	9.4	257	15.6
Muhlenberg	403	12.0	447	13.0	561	15.9	364	10.3	353	10.7
Nelson	220	13.0	255	14.9	290	17.0	259	15.2	239	14.8
Nicholas	111	10.5	131	12.4	127	11.9	168	15.9	109	11.0
Ohio	283	10.2	348	12.5	403	14.4	249	8.9	269	10.2
Oldham	111	15.1	102	13.9	113	15.3	114	15.4	111	14.4
Owen	157	11.0	170	11.9	122	8.8	172	12.1	202	16.0
Owsley	54	6.2	66	7.5	89	10.0	100	11.2	85	10.9
Pendleton	149	12.4	148	12.4	172	14.3	124	10.3	159	13.6
Perry	143	10.9	241	17.7	369	26.8	218	15.8	272	10.5
Pike	405	10.8	513	13.4	785	20.0	454	11.5	430	8.7

**TOTAL DEATHS REPORTED AND RATE S PER 1,000 POPULATION FOR FIVE YEARS,
1916-1920—Continued.**

COUNTIES.	1916		1917		1918		1919		1920	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Powell	56	8.9	50	8.0	48	7.7	50	7.9	64	9.6
Pulaski	379	10.6	405	10.6	444	11.1	350	8.7	325	9.6
Robertson	47	10.9	60	14.6	57	13.8	51	12.3	31	7.9
Rockcastle	130	8.2	140	8.8	234	14.5	111	6.8	115	7.6
Rowan	120	11.8	104	10.1	178	17.1	123	11.8	105	11.0
Russell	89	7.7	112	9.6	105	8.8	94	7.9	76	6.4
Scott	117	10.4	258	15.2	288	16.9	214	12.6	183	11.9
Shelby	227	12.6	244	13.5	274	15.2	256	14.1	245	13.3
Simpson	173	15.1	184	16.1	151	13.2	145	12.6	149	13.4
Spencer	61	8.0	57	7.4	115	14.9	114	14.9	71	9.1
Taylor	91	7.3	147	11.7	135	10.6	131	10.3	99	8.1
Todd	195	11.8	215	13.0	280	16.9	264	16.0	213	13.6
Trigg	205	13.8	205	13.8	217	14.5	186	12.4	177	12.5
Trimble	68	10.4	38	5.8	48	7.4	29	4.4	53	8.8
Union	212	10.7	278	13.9	343	17.3	170	8.5	184	10.2
Warren	454	14.6	475	15.2	538	17.3	498	15.7	408	13.3
Washington	156	11.2	150	10.7	178	12.7	122	8.7	99	6.7
Wayne	94	5.9	163	8.8	129	6.5	126	6.3	110	6.8
Webster	242	11.2	325	15.0	319	14.7	249	11.5	246	11.8
Whitley	271	8.3	364	11.6	399	10.6	292	7.7	280	10.1
Wolfe	108	10.2	118	11.1	124	11.5	104	9.6	84	9.6
Woodford	167	13.2	176	14.0	237	18.9	181	14.3	165	14.0

TABLE 6.

Infant Mortality Rate, by Months, 1920.

Compared With Four Previous Years.

Month	1920*		1919*		1918*		1917*		1916*	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
January	402	70	527	103	497	96	540	104	471	91
February	479	83	519	104	496	103	575	122	465	95
March	520	87	585	110	495	95	592	114	446	86
April	376	71	372	74	477	95	483	96	412	82
May	254	47	319	64	335	64	362	69	318	63
June	238	46	367	89	343	68	408	79	398	75
July	309	59	405	99	891	171	534	103	537	103
August	374	69	289	71	479	95	563	110	493	95
September	424	77	257	54	397	79	393	75	412	85
October	409	84	344	67	718	138	349	67	361	70
November	354	71	308	64	600	119	284	56	373	74
December	293	68	286	58	449	86	376	73	475	91
Total for year	4,432	70	4,578	80	6,177	101	5,459	89	5,161	84

*Deaths under one year of age per 1,000 living births.

TABLE 7—SEASONAL PREVALENCE OF DANGEROUS COMMUNICABLE DISEASES.

Table will show in advance the time of year when any disease may be expected to increase or decrease in prevalence.

1920	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Pneumonia—												
Estimated No. of cases.....	4,944	7,752	5,428	2,748	1,944	936	552	672	1,116	1,656	2,652	2,700
Deaths	412	646	494	229	162	78	46	56	93	138	221	225
Tuberculosis—												
Estimated No. of cases.....	1,974	2,208	2,466	2,016	1,872	1,866	1,824	1,488	1,284	1,512	1,332	1,444
Deaths	329	368	411	336	312	311	304	248	214	252	222	224
Typhoid Fever—												
Estimated No. of cases.....	570	360	450	360	390	330	540	645	870	900	720	495
Deaths	38	24	30	24	26	22	36	43	58	60	48	33
Diphtheria—												
Estimated No. of cases.....	510	220	190	110	110	60	110	170	270	770	900	630
Deaths	51	22	19	11	11	6	11	17	27	77	90	63
Whooping Cough—												
Estimated No. of cases.....	850	1,500	2,100	1,250	1,400	750	1,050	1,150	1,350	2,150	1,850	1,650
Deaths	17	30	42	25	28	15	21	23	27	43	37	33
Measles—												
Estimated No. of cases.....	1,550	2,700	2,850	1,650	1,200	750	300	100	150	150	250	300
Deaths	31	54	57	33	24	15	6	2	3	3	5	6
Diarrhoea (under 2 yrs.)—												
Estimated No. of cases.....	580	260	400	440	300	660	2,280	5,380	4,080	3,360	1,420	380
Deaths	29	13	20	22	25	330	114	269	204	168	71	19
Dysentery (over 2 yrs.)—												
Estimated No. of cases.....	875	675	700	725	850	700	2,025	2,125	2,150	1,475	800	500
Deaths	35	27	28	29	34	28	81	85	86	59	32	20

TABLE 8.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Group.
State of Ky.....1919	2,408,547	30,900	12.8	4,626	2,629	7,377	3,459	445	2,716	207	352
1920	2,416,087	28,823	12.0	4,558	2,171	7,882	3,214	430	2,881	349	423
Adair .....1919	17,846	218	12.2	31	25	63	29	6	14	0	1
1920	17,289	154	8.9	18	12	50	31	2	10	1	1
Allen .....1919	15,170	205	13.6	35	16	50	23	2	25	0	1
1920	16,761	189	11.3	29	14	64	24	5	20	0	3
Anderson .....1919	10,225	159	15.5	20	16	49	28	3	10	0	0
1920	9,982	118	11.8	25	2	38	11	2	17	1	0
Ballard .....1919	14,294	108	7.5	20	11	21	12	1	10	0	0
1920	12,045	116	9.7	22	8	29	16	1	14	0	1
Barren .....1919	27,035	338	12.5	39	23	87	51	5	22	0	4
1920	25,356	326	12.8	51	19	93	52	7	30	4	5
Bath .....1919	13,988	191	13.5	24	22	53	22	2	15	0	10
1920	11,996	160	13.3	24	18	48	23	3	11	5	6
Bell .....1919	39,042	306	7.8	56	44	29	29	3	35	6	9
1920	33,988	299	8.9	55	47	40	18	2	30	2	7
Boone .....1919	9,420	102	10.8	11	7	36	10	1	8	0	0
1920	9,572	129	13.5	3	3	74	11	1	19	0	0
Bourbon .....1919	17,462	314	17.9	43	18	78	42	2	25	0	2
1920	18,418	295	15.9	34	13	85	23	1	20	1	2
Boyd .....1919	27,276	376	13.7	69	42	79	44	6	43	1	2
1920	29,281	411	14.6	83	38	96	31	7	37	11	5
Boyle .....1919	15,375	226	14.0	39	13	66	26	5	15	1	0
1920	14,933	229	15.3	35	19	67	21	2	28	5	1
Bracken .....1919	10,308	110	10.6	10	7	46	15	4	11	2	0
1920	10,210	134	13.2	13	10	54	16	0	11	0	1
Breathitt .....1919	20,216	137	6.8	37	16	17	10	0	8	3	6
1920	20,614	127	6.3	30	25	20	10	1	5	2	12
Breckinridge .....1919	21,450	202	9.4	59	24	75	37	5	22	4	0
1920	19,652	227	11.6	41	20	60	29	3	25	2	5
Bullitt .....1919	9,487	101	10.6	13	10	36	9	0	8	0	0
1920	9,328	122	13.0	16	5	46	15	1	6	0	1
Butler .....1919	15,805	122	7.7	11	10	39	24	2	8	2	1
1920	15,197	122	8.1	14	11	39	23	0	15	4	1
Caldwell .....1919	14,063	170	12.1	22	17	42	28	2	22	6	1
1920	13,975	175	12.5	20	14	57	22	1	31	1	3
Calloway .....1919	21,722	206	9.4	39	23	32	22	1	19	0	2
1920	20,802	190	9.5	37	13	43	25	3	25	0	2
Campbell .....1919	63,646	719	11.1	85	35	238	66	5	77	3	5
1920	61,868	718	11.1	91	37	237	73	14	100	3	3
Carlisle .....1919	9,048	83	9.1	19	4	26	18	2	6	0	1
1920	8,231	89	11.0	14	5	26	12	1	18	0	1
Carroll .....1919	8,110	118	14.5	9	12	44	15	1	14	0	2
1920	8,346	122	14.6	14	5	49	19	0	8	0	1
Carter .....1919	23,411	305	13.0	74	43	51	23	9	23	9	4
1920	22,474	256	11.3	58	37	60	26	8	20	3	7
Casey .....1919	15,758	127	8.1	26	9	32	15	1	16	1	2
1920	17,213	137	8.0	34	14	25	24	1	14	1	4

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
State of Ky.....1919	48	387	205	636	997	754	4,591	152	1,192	1,599	44
1920	54	330	242	471	902	552	2,373	176	1,316	1,609	47
Adair .....1919	0	2	0	7	9	5	34	0	3	6	49
1920	1	0	3	3	2	2	12	0	6	4	46
Allen .....1919	0	3	0	6	7	8	33	2	6	6	55
1920	1	2	0	9	6	1	13	1	7	5	48
Anderson .....1919	0	5	1	10	5	2	29	1	4	1	60
1920	1	0	1	5	2	2	5	1	7	5	44
Ballard .....1919	0	3	1	2	7	6	18	0	2	5	57
1920	0	1	0	2	8	6	14	0	8	8	59
Barren .....1919	0	3	3	11	6	7	69	1	7	13	56
1920	3	5	6	7	8	6	24	1	9	15	50
Bath .....1919	0	2	0	6	5	5	30	1	3	5	52
1920	0	1	1	4	5	4	15	1	6	5	51
Bell .....1919	1	5	0	8	10	6	44	2	13	31	56
1920	1	3	0	4	14	5	55	3	6	35	52
Boone .....1919	0	0	0	1	2	2	12	0	2	9	38
1920	0	0	0	9	1	2	8	0	6	7	41
Bourbon .....1919	0	6	2	7	10	4	47	1	8	10	49
1920	1	5	0	4	3	4	31	0	12	19	35
Boyd .....1919	1	6	1	6	16	8	43	3	14	32	52
1920	1	8	2	5	23	11	48	4	23	28	51
Boyle .....1919	0	1	0	9	11	9	22	0	17	15	50
1920	0	2	2	1	2	3	19	3	19	8	42
Bracken .....1919	0	0	0	0	3	3	18	0	4	3	55
1920	0	1	1	1	5	3	21	1	6	9	49
Breathitt .....1919	0	2	10	5	4	5	22	1	0	8	57
1920	0	2	3	3	4	2	20	1	2	12	55
Breckinridge .....1919	0	4	2	5	8	5	62	0	13	8	79
1920	1	3	0	3	8	2	18	2	14	5	47
Bullitt .....1919	0	0	2	1	2	1	16	1	3	1	40
1920	0	0	0	2	3	2	7	0	11	9	36
Butler .....1919	0	0	0	2	5	3	24	0	2	3	60
1920	0	2	1	1	2	4	16	3	4	6	61
Caldwell .....1919	0	4	1	6	5	4	19	0	7	12	60
1920	2	0	0	6	1	7	12	1	9	12	53
Calloway .....1919	0	5	1	7	4	5	46	4	6	7	58
1920	2	1	6	7	5	4	21	0	8	7	55
Campbell .....1919	1	1	2	4	14	11	64	1	49	31	39
1920	2	5	15	9	12	8	15	5	61	31	40
Carlisle .....1919	0	1	1	1	4	1	11	0	4	5	61
1920	0	1	2	1	4	3	7	0	2	4	60
Carroll .....1919	0	1	0	2	0	3	16	0	9	3	49
1920	2	0	3	0	2	0	22	0	7	3	49
Carter .....1919	1	4	1	13	29	9	52	2	8	17	60
1920	1	7	6	5	15	11	37	1	11	6	59
Casey .....1919	0	3	0	6	5	2	18	1	2	1	55
1920	0	4	0	0	4	3	20	2	4	3	57

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Christian .....1919	39,578	771	19.4	77	53	49	101	16	64	5	2
.....1920	35,883	654	18.3	64	32	193	105	14	51	4	8
Clark .....1919	19,061	301	15.8	39	15	77	36	4	25	0	1
.....1920	17,434	318	18.3	48	22	86	47	9	32	2	0
Clay .....1919	19,803	152	7.2	39	26	15	5	1	7	0	1
.....1920	19,795	118	6.0	27	16	23	9	1	9	0	4
Clinton .....1919	8,337	46	5.4	9	3	7	10	0	1	1	0
.....1920	8,589	63	7.3	9	8	16	11	0	4	5	0
Crittenden .....1919	13,296	134	10.0	22	15	38	19	4	12	2	1
.....1920	13,125	101	7.6	23	8	34	15	0	12	0	0
Cumberland .....1919	10,580	72	6.7	12	5	15	5	3	6	0	2
.....1920	10,648	77	7.2	10	6	19	12	2	2	4	2
Daviess .....1919	42,975	605	14.0	90	50	143	60	6	49	1	2
.....1920	40,733	581	14.2	95	40	169	59	5	34	16	6
Edmonson .....1919	10,791	124	11.6	28	11	28	15	1	10	2	0
.....1920	10,894	91	8.4	23	8	21	10	0	12	7	2
Elliott .....1919	9,814	110	11.2	27	10	15	20	1	6	1	0
.....1920	8,887	87	9.9	23	8	11	10	0	12	7	2
Estill .....1919	12,774	100	7.8	22	10	17	13	1	15	0	1
.....1920	15,569	99	6.3	22	11	21	11	3	16	2	0
Fayette .....1919	52,406	1,142	21.6	96	54	299	123	15	114	0	1
.....1920	54,664	1,030	18.8	81	37	283	118	21	113	5	1
Fleming .....1919	16,066	216	13.4	22	30	59	25	2	27	1	3
.....1920	15,614	196	12.6	35	13	58	14	4	20	2	3
Floyd .....1919	21,176	96	4.5	19	18	8	10	1	6	1	4
.....1920	27,427	132	4.9	33	16	17	11	0	16	10	4
Franklin .....1919	21,370	280	13.1	20	19	66	47	6	23	4	0
.....1920	19,357	265	13.6	30	19	70	41	6	20	8	1
Fulton .....1919	16,248	181	11.1	25	15	48	23	2	8	2	1
.....1920	15,197	215	14.1	32	23	58	22	4	26	4	0
Gallatin .....1919	4,697	42	8.9	7	2	19	2	1	1	0	1
.....1920	4,664	41	8.7	3	2	16	8	1	3	0	0
Garrard .....1919	11,894	161	13.5	29	18	40	16	2	24	0	2
.....1920	12,503	124	9.9	21	11	31	24	2	9	4	2
Grant .....1919	10,581	151	14.3	14	9	60	17	5	13	0	2
.....1920	10,435	124	11.9	16	5	52	13	1	13	1	1
Graves .....1919	33,819	380	11.2	62	30	103	51	5	28	4	4
.....1920	32,483	414	12.7	70	34	119	61	9	49	1	9
Grayson .....1919	20,024	225	11.2	30	30	45	27	2	23	0	8
.....1920	19,927	174	8.7	33	28	45	15	2	17	3	12
Green .....1919	11,871	106	8.9	21	5	26	15	3	5	0	0
.....1920	11,391	86	7.6	14	1	34	10	3	9	0	0
Greenup .....1919	21,003	251	11.9	62	38	50	17	2	25	3	7
.....1920	20,062	242	11.9	47	23	58	21	0	19	5	7
Hancock .....1919	8,512	89	10.5	14	6	26	8	1	3	1	0
.....1920	6,945	96	13.9	25	2	37	9	0	12	0	0
Hardin .....1919	22,696	300	13.2	39	16	97	28	4	22	3	0
.....1920	24,287	238	9.8	24	18	75	26	3	27	0	4
Harlan .....1919	11,170	334	29.9	80	74	18	11	2	35	1	7
.....1920	31,546	441	14.0	113	55	31	22	2	54	6	6

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Christian .....1919	1	7	0	16	16	17	126	4	22	31	50
.....1920	1	12	1	22	14	16	36	2	24	29	46
Clark .....1919	0	7	2	7	2	1	39	0	11	14	43
.....1920	0	3	0	5	3	2	19	2	22	19	43
Clay .....1919	0	2	5	1	22	14	38	1	2	8	65
.....1920	0	3	5	0	2	1	11	0	0	11	43
Clinton .....1919	2	2	1	4	1	1	6	0	1	1	63
.....1920	0	1	3	4	2	1	4	0	1	3	56
Crittenden .....1919	0	2	0	4	4	6	12	1	8	14	58
.....1920	0	0	0	1	5	4	8	0	6	3	48
Cumberland .....1919	0	4	0	6	2	1	4	0	0	5	47
.....1920	0	0	4	5	0	3	9	1	4	4	59
Daviess .....1919	2	5	3	14	22	16	122	0	22	29	52
.....1920	0	11	0	17	29	16	51	3	26	22	44
Edmonson .....1919	0	0	4	5	6	2	30	0	9	3	63
.....1920	0	1	0	3	2	0	5	1	3	7	53
Elliott .....1919	0	4	2	4	6	1	32	1	2	2	71
.....1920	0	1	0	3	2	0	5	1	3	7	54
Estill .....1919	0	5	7	2	1	3	10	2	2	7	63
.....1920	0	4	0	0	1	3	5	0	3	5	49
Fayette .....1919	0	13	7	21	17	11	98	3	39	65	39
.....1920	2	8	3	11	13	21	42	3	52	79	39
Fleming .....1919	0	4	0	5	2	4	50	0	7	5	58
.....1920	0	2	6	1	5	5	20	2	8	5	45
Floyd .....1919	1	2	0	5	8	5	10	0	2	6	58
.....1920	0	0	1	6	4	2	5	0	4	17	50
Franklin .....1919	0	5	5	4	2	5	33	2	11	10	50
.....1920	0	3	0	3	6	1	12	1	13	12	44
Fulton .....1919	0	1	0	3	6	7	19	2	4	10	43
.....1920	3	0	3	1	13	4	20	8	0	18	53
Gallatin .....1919	0	0	0	1	1	0	4	0	1	0	23
.....1920	0	1	0	0	0	0	10	0	1	0	58
Garrard .....1919	0	3	1	1	5	5	33	3	3	7	60
.....1920	0	2	0	1	1	1	5	2	5	8	45
Grant .....1919	1	1	2	1	2	1	25	0	8	9	49
.....1920	0	2	0	0	4	3	10	1	9	4	42
Graves .....1919	1	5	3	14	14	13	57	3	13	24	45
.....1920	2	4	8	8	5	9	51	2	15	20	55
Grayson .....1919	0	1	5	4	3	5	50	4	5	12	58
.....1920	0	1	5	3	9	2	17	1	4	9	52
Green .....1919	0	0	2	2	3	2	21	0	3	4	52
.....1920	0	1	0	2	2	4	1	4	2	0	43
Greenup .....1919	1	3	0	6	27	13	53	3	7	7	63
.....1920	0	1	6	4	12	10	38	5	12	16	56
Hancock .....1919	0	0	0	4	2	1	22	1	5	5	51
.....1920	1	0	0	1	3	1	14	0	4	1	45
Hardin .....1919	2	3	3	2	10	5	42	1	16	21	45
.....1920	0	4	3	6	4	5	13	4	12	18	46
Harlan .....1919	0	3	1	10	38	30	35	3	5	60	59
.....1920	0	4	5	6	35	11	53	6	5	86	54

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Harrison .....1919	16,873	208	12.3	35	13	65	23	4	21	0	0
.....1920	15,798	223	14.1	31	14	81	29	5	20	0	0
Hart .....1919	18,173	204	11.2	39	11	59	23	6	11	0	3
.....1920	18,544	148	8.0	28	11	36	29	5	12	0	3
Henderson .....1919	29,352	402	13.7	71	29	89	49	3	33	2	4
.....1920	27,609	387	14.0	55	24	112	44	10	37	1	4
Henry .....1919	13,716	208	15.2	35	14	59	24	2	15	2	0
.....1920	13,411	180	13.5	24	14	62	25	0	21	9	1
Hickman .....1919	11,753	118	10.0	24	12	30	9	0	6	2	3
.....1920	10,244	142	13.9	7	14	50	19	2	11	0	2
Hopkins .....1919	37,030	447	12.0	78	33	95	46	7	28	6	2
.....1920	34,048	457	13.5	81	31	98	62	9	40	11	3
Jackson .....1919	10,877	75	6.9	17	20	6	6	1	13	0	1
.....1920	11,687	65	5.6	18	10	10	2	2	5	0	0
Jefferson .....1919	284,165	4,870	16.9	453	235	1,153	570	60	597	18	62
.....1920	286,369	4,331	15.1	458	196	1,186	464	65	461	24	40
Jessamine .....1919	13,185	212	16.0	32	9	60	19	3	19	1	3
.....1920	12,205	152	12.4	20	7	46	21	5	26	4	1
Johnson .....1919	20,600	201	9.7	45	31	31	20	3	4	1	2
.....1920	19,622	201	10.2	53	20	40	21	6	11	5	6
Kenton .....1919	75,978	918	13.4	114	46	284	126	15	92	2	5
.....1920	73,453	1,056	14.4	128	36	359	95	17	114	4	8
Knott .....1919	12,524	114	9.1	24	25	13	13	3	5	3	3
.....1920	11,655	92	7.9	22	13	15	6	3	9	7	3
Knox .....1919	26,058	340	13.0	86	50	55	35	2	23	3	10
.....1920	24,172	284	11.7	66	39	59	16	4	31	0	7
Larue .....1919	10,701	113	10.4	13	5	40	17	1	9	1	4
.....1920	10,004	132	13.2	22	10	39	22	2	7	1	2
Laurel .....1919	21,767	154	7.0	25	16	37	15	3	10	3	2
.....1920	19,814	164	8.3	40	23	24	13	1	20	1	3
Lawrence .....1919	20,445	169	8.2	31	23	36	16	2	9	1	5
.....1920	17,643	176	10.0	30	24	41	18	2	16	7	3
Lee .....1919	10,812	87	7.8	21	16	6	7	1	10	1	1
.....1920	11,918	62	5.2	7	12	25	10	1	13	1	5
Leslie .....1919	10,823	79	7.3	14	16	16	11	1	2	1	1
.....1920	10,097	85	8.4	19	14	12	10	3	5	2	3
Letcher .....1919	11,829	172	14.5	42	33	13	9	8	19	1	2
.....1920	24,467	164	6.7	49	19	18	13	1	20	9	2
Lewis .....1919	16,887	234	13.8	32	27	67	22	2	14	3	4
.....1920	15,829	223	14.1	40	30	69	24	4	19	2	5
Lincoln .....1919	18,593	255	13.7	36	26	70	22	2	16	1	6
.....1920	16,481	266	16.1	43	26	79	30	2	27	5	7
Livingston .....1919	10,627	115	10.8	20	13	36	11	1	10	0	8
.....1920	9,732	103	10.6	18	6	35	14	0	10	1	3
Logan .....1919	24,977	254	10.1	40	16	68	29	3	25	6	1
.....1920	23,633	273	11.6	38	15	90	34	5	27	5	5
Lyon .....1919	9,509	92	9.6	8	9	18	9	3	6	0	1
.....1920	8,795	69	7.9	6	2	17	11	2	3	0	2
McCracken .....1919	40,326	583	14.4	92	46	107	75	11	48	2	10
.....1920	37,246	509	13.7	78	29	116	59	9	55	9	5

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years*.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Harrison .....1919	1	1	1	3	4	6	37	0	11	13	52
.....1920	0	1	0	1	3	3	40	3	13	10	51
Hart .....1919	0	1	1	9	13	5	37	2	7	6	56
.....1920	0	4	0	4	5	2	7	0	8	5	51
Henderson .....1919	0	2	0	5	11	9	69	2	12	25	45
.....1920	1	2	1	3	12	8	37	2	10	20	44
Henry .....1919	0	1	2	7	7	5	40	1	7	8	52
.....1920	0	3	0	2	1	1	27	2	12	6	54
Hickman .....1919	0	2	2	3	0	4	24	1	5	5	50
.....1920	0	2	0	2	3	6	17	1	5	9	50
Hopkins .....1919	1	5	0	9	10	17	78	4	20	32	50
.....1920	0	3	3	8	14	11	41	4	24	26	45
Jackson .....1919	0	3	1	3	2	4	19	0	2	0	72
.....1920	1	1	3	0	5	7	9	0	2	1	55
Jefferson .....1919	6	38	14	28	79	77	401	16	268	236	43
.....1920	4	34	6	18	90	64	151	19	270	263	37
Jessamine .....1919	1	3	0	13	3	4	26	1	12	16	49
.....1920	0	1	0	1	2	2	2	1	9	5	47
Johnson .....1919	1	5	1	1	7	7	63	2	3	7	58
.....1920	0	3	1	6	11	7	37	3	3	9	59
Kenton .....1919	3	10	1	17	11	11	100	4	66	51	47
.....1920	1	9	15	5	18	6	51	2	80	42	42
Knott .....1919	0	2	3	4	15	16	12	1	2	5	69
.....1920	0	1	1	3	6	12	0	0	4	5	58
Knox .....1919	2	6	1	2	24	11	65	4	4	20	61
.....1920	0	4	3	4	28	15	36	5	8	19	57
Larue .....1919	0	2	3	4	2	1	13	2	5	10	54
.....1920	0	0	0	2	4	3	12	1	6	5	45
Laurel .....1919	0	2	0	1	3	3	26	0	4	11	54
.....1920	0	1	9	2	8	5	17	0	5	6	51
Lawrence .....1919	0	6	2	6	8	4	18	2	6	9	49
.....1920	0	4	2	4	7	3	23	2	3	13	54
Lee .....1919	1	3	10	2	3	3	15	1	1	7	72
.....1920	0	2	0	0	1	1	3	0	2	4	65
Leslie .....1919	0	1	0	1	2	12	11	0	4	3	57
.....1920	0	0	0	3	3	3	13	0	4	3	55
Letcher .....1919	1	3	2	4	11	4	22	3	2	27	57
.....1920	1	3	2	2	14	5	14	2	3	23	58
Lewis .....1919	0	1	0	5	13	4	45	1	6	11	51
.....1920	3	3	5	3	14	12	30	2	7	10	59
Lincoln .....1919	1	6	3	9	14	6	50	0	13	19	58
.....1920	0	0	1	4	12	2	27	2	16	12	48
Livingston .....1919	0	0	3	1	3	4	17	2	3	5	54
.....1920	0	1	0	1	2	1	12	0	1	4	45
Logan .....1919	0	3	0	7	5	8	39	1	15	4	53
.....1920	0	3	0	2	4	4	30	2	11	12	47
Lyon .....1919	1	1	0	3	0	2	21	1	0	8	55
.....1920	0	1	0	2	1	1	2	1	1	6	40
McCracken .....1919	0	10	1	7	26	20	53	2	24	50	67
.....1920	0	8	3	9	7	17	28	4	24	26	42

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
McCreary .....1919	8,000	104	13.0	27	15	9	5	1	8	0	2
.....1920	11,676	100	8.6	38	12	16	7	0	9	2	1
McLean .....1919	13,899	148	10.6	33	8	32	15	1	17	0	0
.....1920	12,502	102	12.9	36	15	43	13	0	6	5	9
Madison .....1919	28,067	335	11.9	46	31	89	32	5	32	1	3
.....1920	26,284	322	12.8	40	19	79	46	8	23	0	3
Magoffin .....1919	15,024	96	6.3	25	16	16	7	0	6	2	4
.....1920	13,859	87	6.3	25	6	18	5	0	4	0	3
Marion .....1919	16,363	296	18.0	40	33	79	34	1	21	1	2
.....1920	15,527	208	13.4	39	25	60	21	2	23	0	11
Marshall .....1919	17,498	133	7.6	25	17	30	21	1	14	1	1
.....1920	15,215	160	10.5	36	17	44	14	2	32	0	4
Martin .....1919	8,547	39	4.6	5	8	5	2	0	3	2	1
.....1920	7,654	51	6.7	18	2	6	8	1	1	2	2
Mason .....1919	18,611	278	14.9	29	19	87	32	3	24	1	3
.....1920	17,760	220	12.4	22	8	88	27	3	15	0	4
Meade .....1919	9,783	119	12.1	7	7	33	9	6	22	0	1
.....1920	9,442	124	13.2	20	9	42	16	0	16	0	0
Menifee .....1919	6,153	66	10.7	19	11	13	5	1	3	3	3
.....1920	5,779	49	8.5	15	4	12	3	0	5	0	1
Mercer .....1919	14,063	193	13.7	24	13	63	14	5	17	0	3
.....1920	14,795	168	11.4	14	12	66	21	4	16	0	2
Metcalf .....1919	10,839	123	11.3	14	7	24	12	2	4	0	2
.....1920	10,075	100	9.9	17	7	34	9	1	7	3	0
Monroe .....1919	14,170	200	14.1	34	10	50	34	4	10	0	0
.....1920	14,214	150	10.6	35	5	44	19	4	10	0	0
Montgomery .....1919	12,896	163	12.9	22	12	47	23	4	11	1	3
.....1920	12,245	147	12.1	24	7	48	23	1	20	0	0
Morgan .....1919	19,141	191	9.4	51	26	27	23	5	14	0	3
.....1920	16,518	257	15.6	36	56	33	12	1	14	4	4
Muhlenberg .....1919	35,128	364	10.3	73	31	78	50	9	19	0	2
.....1920	33,353	353	10.7	90	18	68	45	6	33	9	10
Nelson .....1919	17,031	259	15.2	39	22	76	29	6	19	3	1
.....1920	16,137	239	14.8	42	11	79	25	7	26	1	2
Nicholas .....1919	10,601	168	15.9	24	15	59	18	4	9	0	0
.....1920	9,894	109	11.0	11	5	46	15	1	9	1	3
Ohio .....1919	27,938	249	8.9	36	33	69	19	8	30	0	4
.....1920	26,473	269	10.2	59	28	84	13	3	38	3	12
Oldham .....1919	7,388	114	15.4	10	5	62	9	1	4	1	1
.....1920	7,689	111	14.4	15	5	50	6	0	11	0	1
Owen .....1919	14,248	172	12.1	27	9	52	18	1	17	0	0
.....1920	12,554	202	16.0	26	9	74	25	3	16	1	0
Owsley .....1919	8,896	100	11.2	19	13	20	10	0	1	0	2
.....1920	7,820	85	10.9	18	7	19	5	0	9	1	1
Pendleton .....1919	11,935	124	10.3	16	4	51	13	2	6	0	0
.....1920	11,719	159	13.6	22	11	82	9	2	9	2	0
Perry .....1919	13,731	218	15.8	73	38	16	11	2	18	5	3
.....1920	26,042	272	10.5	71	47	14	23	1	30	4	8
Pike .....1919	39,154	454	11.5	147	79	50	31	3	29	6	21
.....1920	49,477	430	8.7	121	71	58	29	3	35	0	7

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
McCreary .....1919	0	0	0	7	10	2	24	3	1	4	61
.....1920	0	1	2	0	12	3	8	0	2	12	50
McLean .....1919	0	0	0	2	5	7	30	0	3	6	54
.....1920	0	0	1	7	12	4	12	2	6	7	45
Madison .....1919	0	5	12	8	11	4	67	2	19	12	57
.....1920	1	1	4	7	9	3	27	2	8	33	46
Magoffin .....1919	0	3	2	1	5	1	16	1	2	1	51
.....1920	0	2	3	2	3	0	14	0	2	2	43
Marion .....1919	0	4	0	5	6	7	78	0	11	5	55
.....1920	1	4	5	4	7	9	12	1	3	4	49
Marshall .....1919	1	3	0	3	11	2	23	1	4	3	61
.....1920	0	6	1	3	11	5	4	3	5	7	56
Martin .....1919	0	0	1	1	3	1	7	0	1	3	56
.....1920	0	1	0	2	4	0	5	0	1	2	53
Mason .....1919	0	2	1	7	5	7	53	0	9	16	52
.....1920	0	2	1	6	4	4	14	1	10	15	40
Meade .....1919	0	0	4	1	1	2	18	1	6	7	65
.....1920	0	3	2	4	5	3	7	2	2	3	48
Menifee .....1919	0	2	4	3	1	0	14	0	0	5	62
.....1920	0	1	1	2	0	1	10	1	0	0	49
Mercer .....1919	1	2	0	10	5	2	21	0	13	6	44
.....1920	0	1	1	2	4	4	11	0	16	7	44
Metcalfe .....1919	0	2	0	2	0	0	40	1	2	7	55
.....1920	0	0	0	4	0	2	16	0	5	3	45
Monroe .....1919	0	2	0	5	4	3	51	0	5	4	57
.....1920	0	1	4	4	3	3	10	2	3	5	42
Montgomery .....1919	0	1	0	3	1	4	19	1	6	10	46
.....1920	0	1	1	1	0	2	14	2	13	7	45
Morgan .....1919	1	4	1	3	15	8	34	1	7	5	60
.....1920	1	5	5	7	7	2	18	2	4	7	38
Muhlenberg .....1919	0	5	1	10	18	8	72	2	18	14	57
.....1920	3	5	4	10	30	8	29	2	12	17	57
Nelson .....1919	1	3	3	6	12	8	36	3	16	10	52
.....1920	1	3	0	6	10	5	19	0	11	17	43
Nicholas .....1919	2	4	1	3	2	3	43	0	8	7	57
.....1920	1	1	0	3	1	1	11	1	6	2	47
Ohio .....1919	1	3	2	11	8	6	48	0	4	3	57
.....1920	0	4	1	3	8	7	30	0	11	5	48
Oldham .....1919	0	1	0	1	0	3	15	1	6	4	26
.....1920	0	1	0	0	2	1	11	1	6	2	33
Owen .....1919	0	3	2	1	7	5	25	0	11	8	55
.....1920	1	4	0	2	4	2	22	0	14	7	43
Owsley .....1919	0	1	0	4	4	7	22	0	1	6	62
.....1920	0	1	0	0	2	4	13	1	0	4	44
Pendleton .....1919	0	2	0	1	2	0	26	1	6	5	45
.....1920	2	4	3	0	2	0	15	11	12	0	40
Perry .....1919	1	12	8	8	18	15	29	4	4	24	65
.....1920	0	3	9	4	26	6	32	0	2	43	55
Pike .....1919	2	9	0	13	36	24	62	5	2	45	66
.....1920	0	9	11	17	22	4	38	6	12	46	47

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Powell .....1919	6,268	50	7.9	11	7	14	7	1	2	0	2
.....1920	6,745	64	9.6	8	6	18	7	1	4	4	0
Pulaski .....1919	39,885	350	8.7	69	31	70	47	3	31	10	6
.....1920	34,010	325	9.6	62	27	111	31	10	26	4	3
Robertson .....1919	4,121	51	12.3	5	6	11	7	0	2	2	1
.....1920	3,871	31	7.9	2	14	15	2	0	5	0	0
Rockcastle .....1919	16,181	111	6.8	23	17	24	12	0	11	3	4
.....1920	15,406	115	7.6	17	19	21	9	2	13	1	7
Rowan .....1919	10,403	123	11.8	23	17	23	10	3	5	2	5
.....1920	9,467	105	11.0	21	15	19	9	3	4	3	2
Russell .....1919	11,830	94	7.9	20	12	30	20	0	4	4	4
.....1920	11,854	76	6.4	8	5	26	16	3	3	4	1
Scott .....1919	16,956	214	12.6	30	11	60	21	4	14	3	0
.....1920	15,318	183	11.9	23	8	69	20	3	15	0	0
Shelby .....1919	18,041	256	14.1	28	16	69	25	5	24	2	0
.....1920	18,532	245	13.3	53	24	134	27	2	32	8	4
Simpson .....1919	11,460	145	12.6	17	6	27	22	2	8	0	1
.....1920	11,150	149	13.4	17	8	52	22	3	17	0	2
Spencer .....1919	7,699	114	14.9	13	14	30	12	2	15	2	1
.....1920	7,785	71	9.1	8	6	19	10	1	17	0	7
Taylor .....1919	12,698	131	10.3	16	12	27	19	3	9	1	1
.....1920	12,236	99	8.1	16	3	32	15	0	10	0	2
Todd .....1919	16,488	264	16.0	47	15	70	41	7	21	4	5
.....1920	15,694	213	13.6	38	21	60	31	2	14	11	1
Trigg .....1919	14,925	186	12.4	18	21	40	31	3	18	3	0
.....1920	14,208	177	12.5	21	16	44	35	3	12	0	3
Trimble .....1919	6,512	29	4.4	4	2	13	6	0	4	0	1
.....1920	6,011	53	8.8	13	0	19	9	1	3	0	1
Union .....1919	19,886	170	8.5	37	12	35	22	0	10	6	0
.....1920	18,040	184	10.2	32	19	41	22	1	15	0	7
Warren .....1919	31,085	498	15.7	59	33	135	67	7	36	2	3
.....1920	30,858	408	13.3	55	29	130	51	5	33	7	8
Washington .....1919	13,940	122	8.7	28	9	26	18	3	11	0	1
.....1920	14,773	99	6.8	16	4	30	11	2	12	1	0
Wayne .....1919	19,700	126	6.3	22	11	30	10	4	5	0	1
.....1920	16,208	110	6.7	30	10	23	8	2	10	2	4
Webster .....1919	21,703	249	11.5	37	21	56	32	1	28	2	1
.....1920	20,762	246	11.8	63	24	61	23	4	23	1	2
Whitley .....1919	37,772	292	7.7	85	42	48	31	10	28	1	5
.....1920	27,749	280	10.1	79	34	55	11	4	28	3	5
Wolfe .....1919	10,777	104	9.6	20	18	26	6	1	6	1	3
.....1920	8,785	84	9.6	14	12	20	7	1	3	5	9
Woodford .....1919	12,571	181	14.3	22	17	42	26	2	16	1	0
.....1920	11,784	165	14.0	18	10	45	21	2	17	2	0

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1919 and 1920	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Powell .....1919	0	0	2	0	4	0	4	0	1	4	46
.....1920	0	0	0	0	2	1	14	1	0	5	56
Pulaski .....1919	2	4	7	5	10	12	57	2	11	17	58
.....1920	0	7	1	8	14	5	19	0	15	21	43
Robertson .....1919	0	1	0	1	0	0	16	0	0	5	64
.....1920	0	0	0	0	1	0	5	0	5	0	49
Rockcastle .....1919	0	1	0	3	5	4	15	1	4	1	54
.....1920	0	1	0	7	3	3	14	2	5	4	55
Rowan .....1919	0	2	0	4	8	5	25	0	3	6	58
.....1920	1	0	3	3	3	3	17	1	5	8	49
Russell .....1919	0	4	1	3	1	3	10	0	1	1	57
.....1920	0	2	0	1	2	0	6	1	2	2	52
Scott .....1919	0	3	0	4	1	2	41	3	6	10	46
.....1920	0	3	1	2	4	2	13	0	4	6	36
Shelby .....1919	1	2	0	7	8	3	56	0	18	12	56
.....1920	0	4	0	4	5	1	27	0	12	6	45
Simpson .....1919	0	1	0	4	4	3	31	0	6	8	56
.....1920	2	0	4	4	3	2	6	1	9	5	47
Spencer .....1919	0	0	0	3	2	0	26	0	1	6	48
.....1920	0	0	0	1	1	1	2	2	0	0	59
Taylor .....1919	0	0	1	2	2	2	30	0	5	6	55
.....1920	0	1	0	0	3	4	6	0	1	5	42
Todd .....1919	0	1	1	4	5	9	43	2	10	15	57
.....1920	0	0	1	3	10	3	9	1	5	4	41
Trigg .....1919	0	1	0	7	4	5	49	0	4	3	66
.....1920	0	2	0	4	1	1	42	0	5	6	60
Trimble .....1919	0	0	1	0	1	0	2	0	0	0	52
.....1920	0	1	0	0	2	0	2	0	1	2	38
Union .....1919	0	4	0	1	7	5	26	0	6	16	57
.....1920	0	2	0	3	10	2	24	1	6	8	50
Warren .....1919	1	4	3	7	13	8	115	0	22	27	56
.....1920	0	4	1	3	11	8	50	3	23	21	48
Washington .....1919	0	3	0	0	3	0	25	0	7	3	54
.....1920	0	1	1	4	2	0	12	2	4	4	51
Wayne .....1919	0	1	1	2	6	6	26	0	2	6	51
.....1920	0	1	0	4	2	2	15	1	5	0	48
Webster .....1919	0	3	0	3	9	10	38	3	10	12	55
.....1920	0	6	1	9	13	4	21	4	4	13	48
Whitley .....1919	0	9	2	9	30	11	23	1	7	20	58
.....1920	0	7	2	12	21	7	23	3	7	15	45
Wolfe .....1919	1	3	9	3	3	2	10	1	1	9	50
.....1920	0	0	1	5	2	3	9	2	2	2	59
Woodford .....1919	1	3	2	7	5	5	25	2	7	7	50
.....1920	0	3	0	1	1	2	17	1	9	3	43

TABLE 9.

State Table Showing Total Births (exclusive of stillbirths), Plural Births, Sex, Color, Nativity of Parents, by Whom Attended and Illegitimates—1919 and 1920.

	1920				1919		
	Total	White	Colored		Total	White	Colored
All births	62,368	58,019	4,349	All births	57,730	53,617	4,113
Male	32,381	30,186	2,195	Male	30,326	28,247	2,079
Female	29,987	27,833	2,154	Female	27,404	25,370	2,034
Twins	1,067	984	83	Twins	1,063	980	83
Triplets	27	25	2	Triplets	18	15	3
Father—Native	62,199			Father—Native	57,312		
Foreign	174			Foreign	320		
Mother—Native	62,207			Mother—Native	57,435		
Foreign	161			Foreign	180		
Attended by—				Attended by—			
Physician	52,326			Physician	46,894		
Midwife	10,042			Midwife	10,836		
Illegitimate	1,243	766	477	Illegitimate	1,082	627	455

TABLE 10.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
State of Kentucky.....	1919	57,730	23.8	53,617	4,113	30,326	27,404	1,063	18	2,151
	1920	62,368	25.8	58,019	4,349	32,381	29,987	1,067	27	2,371
Adair	1919	458	34.2	444	14	232	226	3	.....	17
	1920	447	25.8	419	28	232	215	9	.....	19
Allen	1919	338	24.1	330	8	168	170	2	.....	16
	1920	444	26.0	427	17	231	213	2	.....	18
Anderson	1919	266	23.2	249	17	149	117	2	.....	11
	1920	303	30.3	292	11	147	156	4	.....	5
Ballard	1919	293	20.6	263	30	139	154	2	.....	6
	1920	298	24.7	279	19	151	147	7	.....	10
Barren	1919	621	23.0	544	77	305	316	8	.....	20
	1920	642	25.3	572	70	334	308	3	.....	19
Bath	1919	337	23.8	320	7	167	170	6	.....	11
	1920	350	29.2	322	28	192	158	1	.....	11
Bell	1919	845	21.2	797	48	456	389	6	.....	30
	1920	829	24.4	807	22	417	412	4	.....	33
Boone	1919	152	16.0	145	7	83	69	.....	.....	2
	1920	165	17.2	156	9	92	72	1	.....	8
Bourbon	1919	261	14.6	214	47	148	113	2	.....	15
	1920	310	16.8	254	56	151	159	3	.....	17

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Boyd, exclusive of.....	1919	431	32.1	426	5	229	202	6	.....	19
	1920	490	33.6	482	8	285	205	3	.....	24
Ashland	1919	399	40.4	390	9	223	176	3	.....	13
	1920	440	29.8	430	10	220	220	9	.....	18
Boyle	1919	342	22.2	382	60	178	164	3	.....	18
	1920	372	24.9	336	36	191	181	3	.....	25
Bracken	1919	227	22.9	219	8	113	114	2	.....	4
	1920	217	21.2	214	3	110	107	2	.....	10
Breathitt	1919	608	30.2	601	7	324	284	6	.....	9
	1920	589	28.6	585	4	326	263	6	.....	14
Breckinridge	1919	552	25.6	530	22	288	264	4	.....	16
	1920	605	30.7	577	28	222	283	3	.....	30
Bullitt	1919	272	30.0	263	9	138	134	.....	.....	15
	1920	273	29.2	252	21	150	123	3	.....	9
Butler	1919	323	20.9	312	11	170	153	4	.....	9
	1920	279	18.3	268	11	140	139	3	1	13
Caldwell	1919	307	20.1	275	30	154	151	4	.....	6
	1920	339	24.2	304	35	154	185	1	.....	14
Calloway	1919	466	21.5	452	14	276	190	8	.....	15
	1920	511	24.5	488	23	259	252	4	1	9
Campbell, exclusive of	1919	525	15.9	524	1	272	253	3	.....	22
	1920	600	18.4	600	0	300	297	5	.....	27
Newport	1919	502	15.6	488	14	256	246	3	.....	22
	1920	527	17.8	506	21	277	250	4	.....	20
Carlisle	1919	313	24.9	299	14	160	153	5	.....	6
	1920	202	24.5	195	7	113	89	.....	.....	4
Carroll	1919	212	26.8	202	10	108	104	2	.....	4
	1920	188	22.6	180	8	101	87	2	.....	4
Carter	1919	805	34.3	803	2	395	410	8	.....	32
	1920	807	35.9	801	6	437	370	7	.....	28
Casey	1919	382	24.2	376	6	195	187	8	.....	7
	1920	466	27.0	459	7	238	228	3	.....	13
Christian, exclusive of	1919	606	18.9	394	212	295	311	7	.....	34
	1920	661	21.4	421	240	351	310	5	.....	29
Hopkinsville	1919	155	14.4	51	104	90	65	1	.....	7
	1920	173	17.8	106	67	84	89	.....	.....	8
Clark	1919	397	19.7	340	57	207	190	6	.....	20
	1920	466	20.9	404	62	240	226	4	.....	19
Clay	1919	728	27.2	719	9	478	250	6	.....	14
	1920	515	26.0	503	12	264	251	6	.....	6
Clinton	1919	199	24.2	198	1	118	81	1	.....	6
	1920	170	19.7	168	2	97	73	2	.....	3
Crittenden	1919	336	25.1	325	11	191	145	7	.....	10
	1920	314	23.8	304	10	168	146	1	.....	8
Cumberland	1919	227	22.5	208	19	121	106	1	.....	8
	1920	250	21.6	230	20	123	127	.....	.....	8
Daviess, exclusive of	1919	639	22.3	611	28	323	316	6	.....	25
	1920	643	27.5	601	42	311	332	3	.....	24
Owensboro	1919	348	19.5	302	46	175	173	5	.....	18
	1920	417	19.8	380	37	201	216	2	.....	22

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Edmonson	1919	280	26.3	272	8	145	135	3	.....	7
	1920	358	32.9	348	10	177	181	2	.....	11
Elliott	1919	325	30.5	325	0	172	153	4	.....	13
	1920	336	30.8	336	0	180	156	5	.....	17
Estill	1919	457	36.3	452	5	230	227	5	.....	6
	1920	522	33.5	520	2	274	248	4	.....	12
Fayette, exclusive of	1919	183	17.3	143	40	93	90	2	.....	12
	1920	193	14.6	161	32	97	96	.....	.....	6
Lexington	1919	583	13.9	476	107	290	293	3	.....	53
	1920	654	15.7	541	113	345	309	.....	.....	51
Fleming	1919	327	20.2	307	20	166	161	.....	.....	4
	1920	352	22.5	336	16	192	160	2	.....	13
Floyd	1919	629	29.4	623	6	345	284	5	.....	11
	1920	784	28.5	776	8	423	361	9	.....	37
Franklin, exclusive of	1919	199	14.6	194	5	102	97	.....	.....	7
	1920	215	22.5	205	10	100	115	1	.....	8
Frankfort	1919	114	10.3	95	19	53	61	.....	.....	8
	1920	150	15.2	122	28	75	75	.....	.....	6
Fulton	1919	270	16.4	244	26	130	140	2	.....	10
	1920	280	18.4	237	43	140	140	2	.....	14
Gallatin	1919	76	15.9	71	5	42	34	.....	.....	7
	1920	102	21.8	97	5	56	46	.....	.....	6
Garrard	1919	339	28.4	289	50	179	160	1	.....	14
	1920	368	29.4	311	57	189	177	3	.....	7
Grant	1919	247	23.1	242	5	128	119	3	.....	8
	1920	235	22.5	227	8	124	111	4	.....	13
Graves	1919	841	24.7	784	57	444	397	9	.....	31
	1920	934	28.8	880	54	491	443	8	.....	36
Grayson	1919	524	25.9	518	6	298	226	.....	.....	29
	1920	510	25.5	501	9	264	246	2	.....	16
Green	1919	300	25.5	287	13	153	147	5	.....	3
	1920	417	36.6	372	45	199	218	1	.....	8
Greenup	1919	661	31.5	659	2	329	332	5	.....	23
	1920	651	32.4	642	9	358	293	10	.....	25
Hancock	1919	164	19.3	150	14	83	81	1	.....	9
	1920	176	25.3	168	8	93	83	.....	.....	3
Hardin	1919	463	20.2	441	22	235	228	4	.....	11
	1920	462	19.0	437	25	245	217	2	.....	9
Harlan	1919	968	86.2	927	41	483	485	11	.....	31
	1920	1,231	39.3	1,161	10	648	503	16	2	50
Harrison	1919	377	22.5	359	18	207	170	5	.....	15
	1920	395	25.0	371	24	209	186	5	.....	17
Hart	1919	534	26.7	497	37	245	289	7	.....	7
	1920	539	29.0	476	63	283	256	3	.....	8
Henderson, exclusive of	1919	469	25.7	355	114	238	231	2	.....	16
	1920	476	30.8	368	108	239	237	4	.....	15
Henderson	1919	254	20.8	172	82	123	131	1	.....	17
	1920	241	19.8	196	45	121	120	4	.....	12
Henry	1919	271	20.5	241	30	136	135	4	1	12
	1920	274	20.4	243	31	130	144	2	.....	19

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Hickman	1919	241	22.7	224	17	120	121	-----	-----	6
	1920	278	27.1	247	31	139	139	1	-----	3
Hopkins	1919	851	20.5	722	129	452	399	7	-----	43
	1920	929	27.2	795	134	513	416	11	1	48
Jackson	1919	313	28.6	312	1	167	146	3	1	14
	1920	366	31.3	366	0	185	181	5	-----	7
Jefferson, exclusive of	1919	1,348	19.8	1,278	70	912	436	13	-----	21
	1920	883	17.1	822	61	526	377	10	-----	45
Louisville	1919	3,464	14.4	2,999	465	1,623	1,841	28	-----	217
	1920	4,620	19.6	4,121	499	2,369	2,251	32	-----	232
Jessamine	1919	268	21.1	208	60	144	124	1	-----	16
	1920	269	22.0	228	41	145	124	6	-----	9
Johnson	1919	640	31.3	639	1	328	312	7	-----	23
	1920	807	41.1	801	6	425	382	8	-----	26
Kenton, exclusive of	1919	306	16.2	302	4	156	150	2	-----	14
	1920	292	11.7	288	4	144	148	1	-----	13
Covington	1919	992	17.3	935	57	545	447	9	-----	43
	1920	1,219	21.3	1,177	42	615	604	9	-----	40
Knott	1919	432	33.8	423	9	225	207	2	-----	8
	1920	427	36.6	425	2	224	203	1	-----	7
Knox	1919	815	31.3	792	23	461	354	6	-----	33
	1920	890	36.7	877	13	465	425	10	-----	32
Larue	1919	264	22.7	242	22	147	117	5	-----	9
	1920	336	33.5	317	19	176	160	2	-----	4
Laurel	1919	610	28.6	607	3	320	290	4	-----	14
	1920	580	28.2	568	12	292	288	4	-----	24
Lawrence	1919	530	24.5	529	1	278	252	9	-----	15
	1920	514	29.1	514	0	252	262	7	-----	13
Lee	1919	262	24.7	258	4	127	135	4	-----	9
	1920	393	32.9	381	12	225	168	5	-----	8
Leslie	1919	300	28.0	296	4	160	140	2	-----	2
	1920	346	34.3	343	3	166	180	1	-----	12
Letcher	1919	680	50.5	651	29	373	307	7	-----	20
	1920	637	26.0	611	26	347	290	3	-----	22
Lewis	1919	383	22.5	381	2	209	174	1	-----	15
	1920	402	25.3	401	1	190	212	4	-----	16
Lincoln	1919	449	24.8	404	45	240	209	6	-----	19
	1920	460	27.3	420	40	246	214	4	1	23
Livingston	1919	265	23.2	256	9	134	131	1	-----	10
	1920	256	26.3	237	19	135	121	3	-----	7
Logan	1919	561	23.3	454	107	315	246	6	-----	19
	1920	549	23.2	453	96	254	295	6	1	22
Lyon	1919	213	23.3	192	21	125	88	-----	-----	6
	1920	192	21.8	172	20	96	96	6	-----	6
McCracken, exclusive of	1919	233	16.5	209	24	116	117	2	-----	13
	1920	247	21.3	223	24	112	135	2	-----	12
Paducah	1919	446	36.6	366	80	232	214	6	-----	46
	1920	473	19.1	392	81	240	233	3	-----	57
McCreary	1919	428	51.7	427	1	231	197	10	-----	19
	1920	399	34.1	398	1	235	164	4	-----	9

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
McLean	1919	340	24.5	321	19	180	160	5	1	13
	1920	332	30.5	367	15	204	178	3		8
Madison	1919	593	21.0	508	85	324	269	3		23
	1920	672	25.5	560	112	344	328	9		22
Magoffin	1919	458	30.4	456	2	231	227	5		7
	1920	486	35.0	483	3	229	257	6	1	8
Marion	1919	470	28.3	424	46	249	221	6		19
	1920	488	31.4	448	40	260	228	2		32
Marshall	1919	381	21.6	381	0	202	179	2		13
	1920	429	28.1	429	0	231	198	5		18
Martin	1919	218	25.6	218	0	124	94	3		3
	1920	245	32.0	245	0	135	110	1		10
Mason	1919	310	16.6	270	40	148	162			19
	1920	354	19.3	304	50	177	177	3		16
Meade	1919	269	21.4	250	19	137	132	2		7
	1920	270	28.6	246	24	126	144	3		8
Menifee	1919	184	29.5	184	0	99	85	2		5
	1920	230	39.8	225	5	130	100	2		9
Mercer	1919	347	25.0	305	42	182	165	2		14
	1920	334	22.3	304	30	185	149	2		16
Metcalfe	1919	239	21.9	223	16	140	99	3		10
	1920	272	26.9	257	15	150	122	6		7
Monroe	1919	344	24.6	338	6	173	171	5		16
	1920	453	31.8	433	20	238	215	9		19
Montgomery	1919	267	20.2	217	50	135	132	2	1	15
	1920	299	23.6	242	57	164	135	3		13
Morgan	1919	503	28.5	503	0	282	221	8	1	18
	1920	570	34.5	568	2	285	285	7		23
Muhlenberg	1919	1,037	29.1	959	78	546	491	11	1	39
	1920	1,049	31.1	989	60	546	502	11		35
Nelson	1919	438	25.1	391	47	218	220	2	1	12
	1920	460	28.5	408	52	226	234	4		7
Nicholas	1919	202	20.1	187	15	119	83	1		5
	1920	222	22.4	211	11	116	106			6
Ohio	1919	631	22.3	615	16	350	281	7		23
	1920	683	26.0	662	21	355	328	5		29
Oldham	1919	146	19.6	123	23	76	70			6
	1920	150	19.5	122	28	81	69	3	1	12
Owen	1919	314	22.1	300	14	143	171	1		10
	1920	302	24.1	278	24	173	129	4		8
Owsley	1919	232	36.6	231	1	118	114	4		5
	1920	226	28.9	226	0	118	108	4		5
Penleton	1919	269	22.3	265	4	151	118	3		9
	1920	275	23.5	271	4	150	125	1		6
Perry	1919	809	60.0	778	31	432	377	4		22
	1920	871	33.4	836	35	462	409	9	1	29
Pike	1919	1,665	39.8	1,640	25	892	773	21	1	55
	1920	2,082	42.1	1,969	33	1,028	976	16	1	62
Powell	1919	195	33.5	187	8	95	100	3		8
	1920	185	27.4	174	11	94	91	2		6

TABLE 10—Continued.

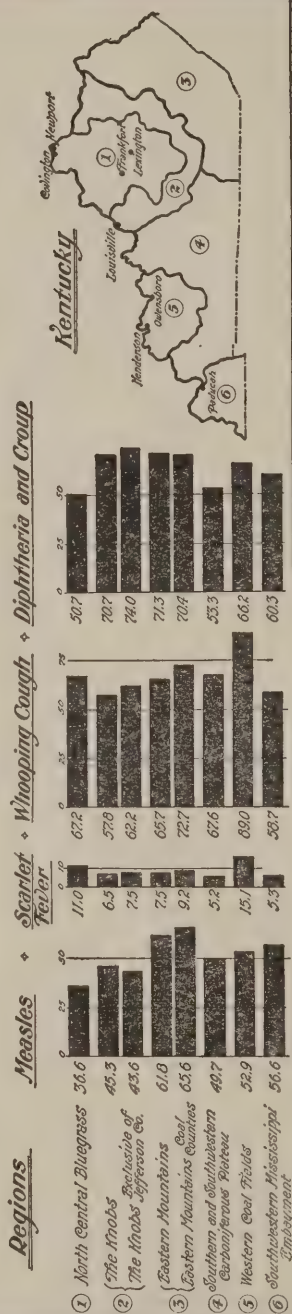
Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1919-1920.

		Total Births (Still- birth Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Pulaski	1919.	852	20.9	839	13	434	418	8	-----	32
	1920.	900	26.5	882	18	469	431	9	-----	31
Robertson	1919.	84	20.5	82	2	46	38	1	-----	0
	1920.	95	24.6	93	2	52	43	-----	-----	5
Rockcastle	1919.	428	26.3	427	1	215	213	4	-----	6
	1920.	445	29.0	441	4	249	196	5	-----	15
Rowan	1919.	343	32.5	341	2	193	150	3	-----	13
	1920.	372	39.3	372	0	205	167	3	-----	13
Russell	1919.	317	32.5	314	3	179	138	3	1	13
	1920.	295	24.9	286	9	173	122	4	-----	15
Scott	1919.	321	20.5	296	25	177	144	4	-----	11
	1920.	370	24.1	328	42	163	207	3	-----	7
Shelby	1919.	424	21.3	361	63	212	212	4	-----	21
	1920.	332	17.9	280	52	174	158	-----	-----	8
Simpson	1919.	158	13.6	141	17	83	75	-----	-----	5
	1920.	198	17.8	167	31	112	86	-----	-----	8
Spencer	1919.	115	13.5	104	11	63	52	-----	-----	10
	1920.	162	20.8	151	11	90	72	3	-----	4
Taylor	1919.	279	21.9	256	23	155	124	3	-----	9
	1920.	298	24.3	266	32	129	169	1	-----	6
Todd	1919.	389	23.4	292	97	206	183	4	-----	14
	1920.	398	25.4	297	101	208	190	4	1	19
Trigg	1919.	267	18.4	214	53	137	130	3	-----	11
	1920.	314	22.1	253	61	158	156	5	-----	11
Trimble	1919.	132	19.4	130	2	67	65	1	-----	2
	1920.	115	19.1	113	2	67	48	-----	-----	3
Union	1919.	474	23.8	452	22	243	231	2	-----	17
	1920.	469	26.0	412	57	264	205	7	-----	21
Warren, exclusive of	1919.	532	20.6	467	65	271	261	6	-----	17
	1920.	563	26.5	495	68	305	258	3	-----	19
Bowling Green	1919.	135	14.1	99	36	73	62	2	-----	8
	1920.	237	24.6	196	41	116	121	3	-----	10
Washington	1919.	356	24.7	298	58	169	187	4	-----	12
	1920.	374	25.3	326	48	188	186	1	-----	10
Wayne	1919.	365	19.5	351	4	198	167	4	-----	4
	1920.	550	33.8	539	11	269	281	5	-----	12
Webster	1919.	553	25.4	489	64	277	276	6	-----	19
	1920.	539	25.8	486	53	267	272	4	-----	22
Whitley	1919.	877	23.2	868	9	450	427	11	-----	28
	1920.	987	35.6	967	20	535	452	13	-----	51
Wolfe	1919.	263	24.6	263	0	128	135	4	-----	10
	1920.	253	28.8	253	0	122	131	5	-----	5
Woodford	1919.	186	21.7	128	58	90	96	-----	-----	8
	1920.	271	23.0	228	43	133	138	1	-----	17

Sanitary Progress of Kentucky

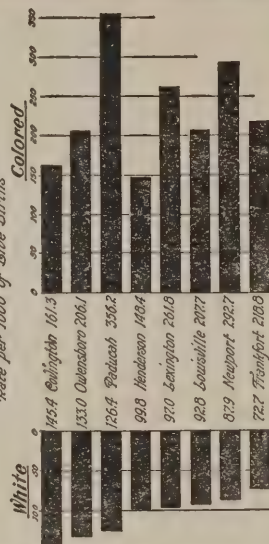
Mortality from Diseases of Children, 1915 - 1919 by Physiographic Regions and Principal Cities

Rates per 100,000 of Population Under 10 Years of Age

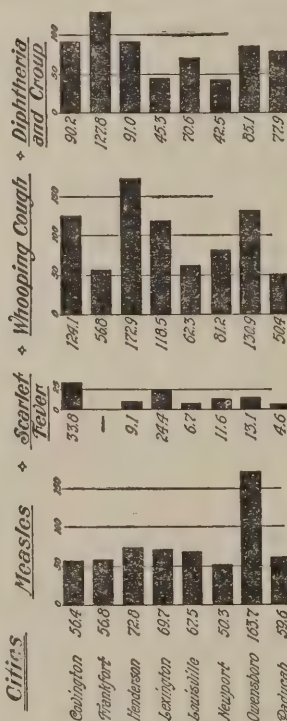


Mortality Under 1 Year of Age, by Color

Principal Cities, 1917-1919

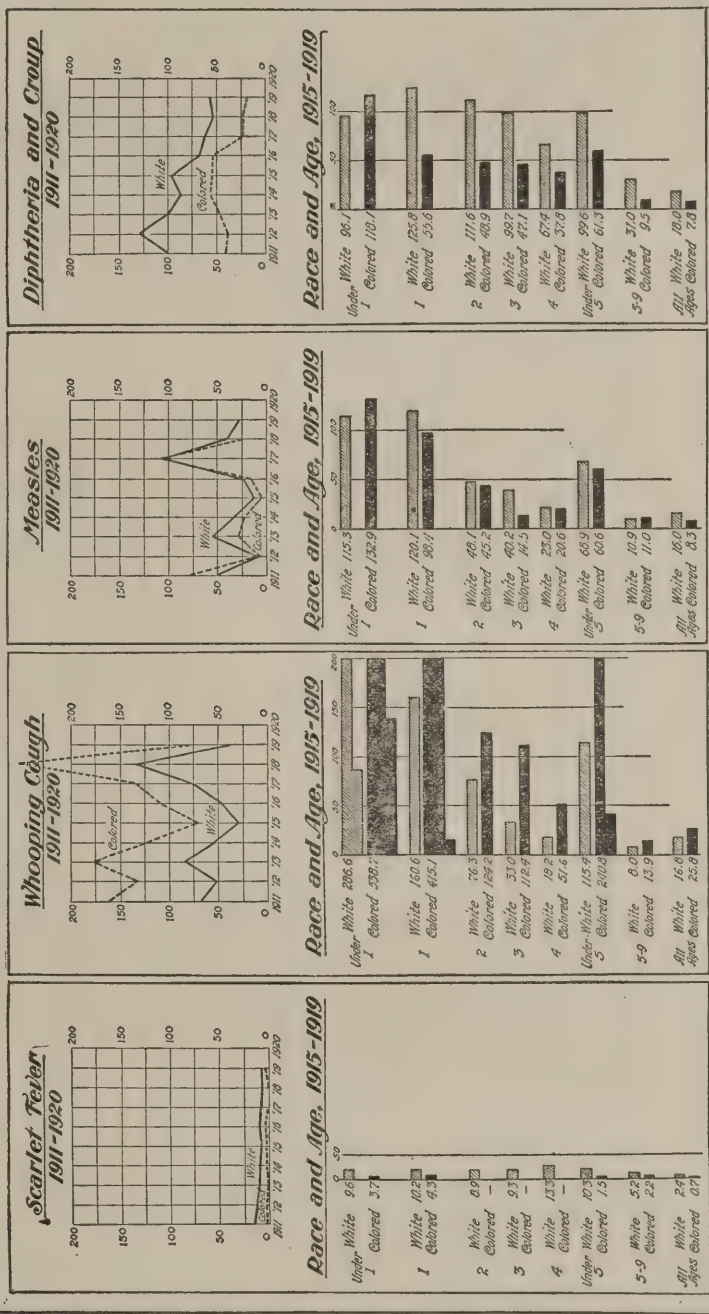


Cities



Sanitary Progress of Kentucky

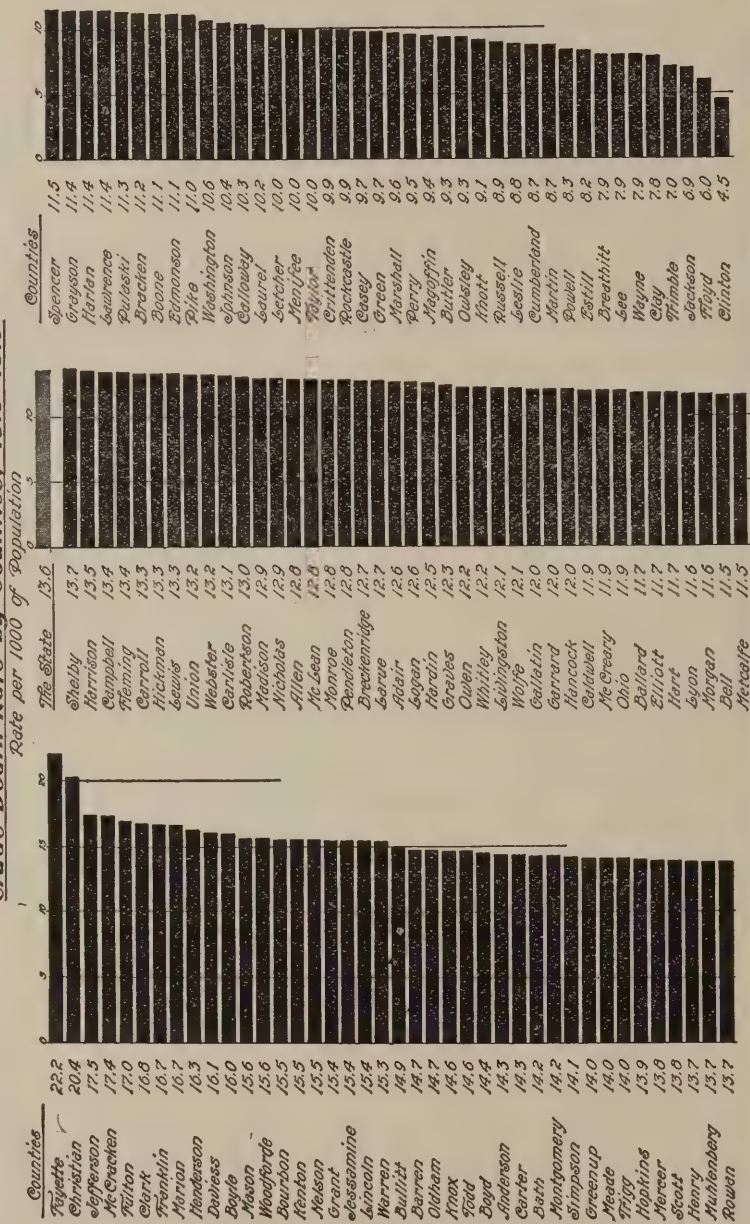
Mortality from Diseases of Childhood Rates per 100,000 of Population, Ages Under 10



Statistical Department, The Prudential Insurance Company of America

Sanitary Progress of Kentucky

Crude Death Rate by Counties, 1915-1919



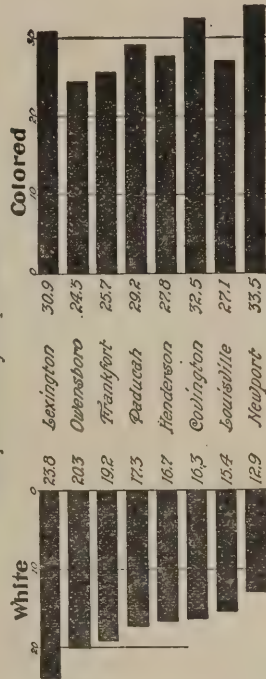
Sanitary Progress of Kentucky

Mortality in Principal Cities, 1915-1919



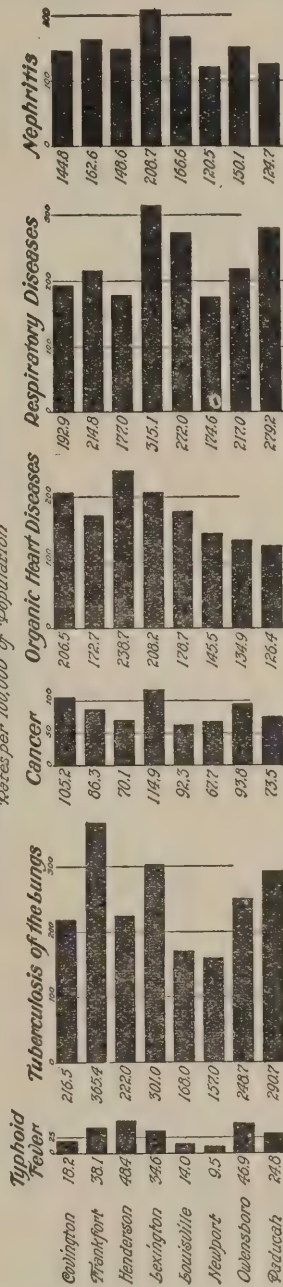
Mortality from All Causes, by Color

Rate per 1,000 of Population



Mortality from Specified Causes

Rate per 100,000 of Population

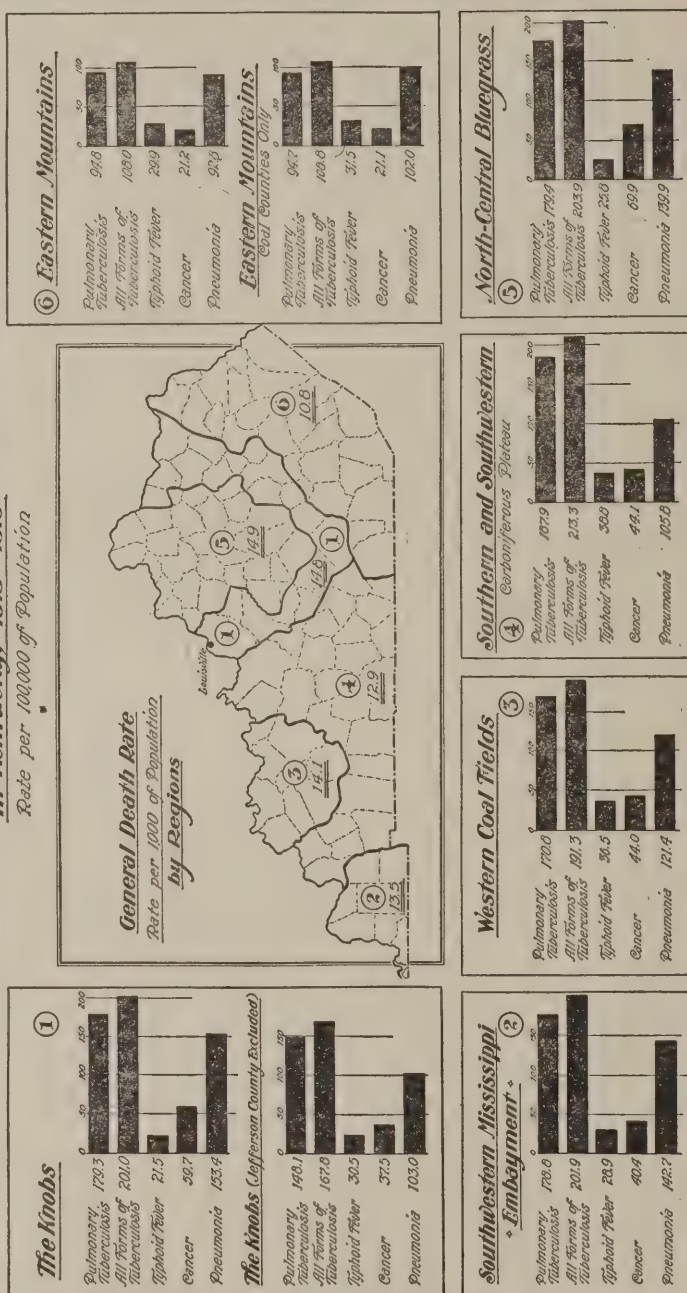


Sanitary Progress of Kentucky

Mortality from Specified Causes and by Physiographic Regions

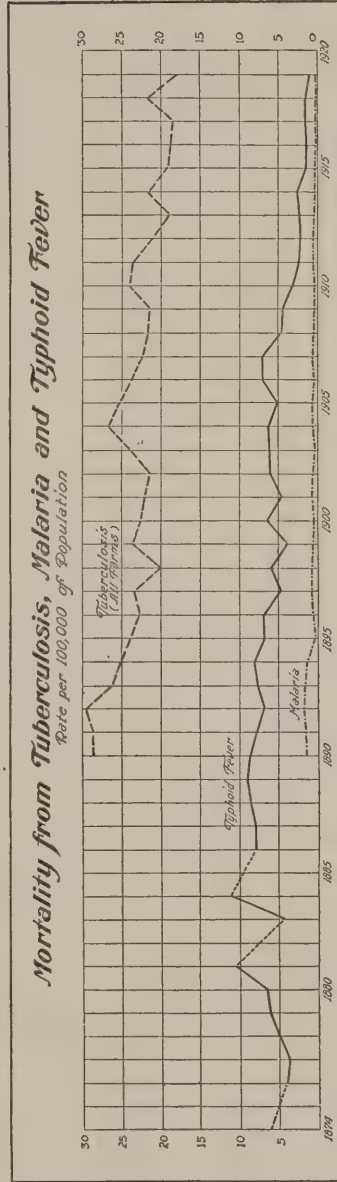
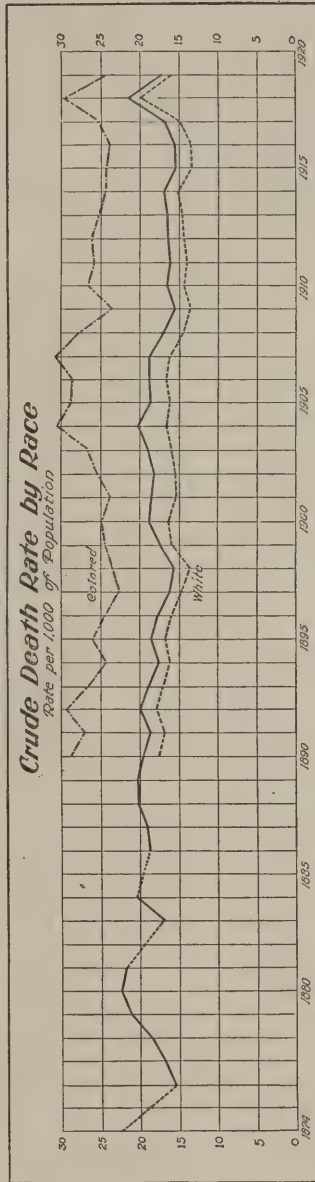
in Kentucky, 1915-1919

Rate per 100,000 of Population



Sanitary Progress of Kentucky

Mortality from All Causes and Specified Causes
—Louisville, Ky., 1874-1920—



BUREAU OF SANITATION—Reminders.

Upon request of any municipal council the Bureau of Sanitation will investigate and submit full reports upon municipal sanitary conditions.

Municipal water works and sewerage troubles should be referred to the State Sanitary Engineer for consultation and advice.

The rules and regulations provide that no public water supply or sewerage system may be installed until plans therefor have met the approval of the State Board of Health.

No new manufacturing establishments which are likely to produce objectionable liquid wastes may be built until the sites selected have met the approval of the State Board of Health.

Specimens of water will not be analyzed unless sent to the Laboratory in containers furnished free by it, and accompanied by blanks, properly filled, giving the history of the specimen.

BUREAU OF BACTERIOLOGY—Reminders.

It is a violation of the postal laws to mail specimens for examination except as provided for, in special containers.

Containers may be had from depots located in each county or will be mailed, upon request, from the laboratory.

A list of the depots was published in the Bulletin. An additional one may be had upon request.

Free treatment for Rabies is given by this laboratory. When sending patients for Rabic treatment communicate with the laboratory, because it takes time to get treatment from Washington.

The laboratory makes examinations of sputum for tubercle bacilli, influenza bacillus, pneumococcus, throat cultures for diphtheria bacilli, blood specimens for malarial parasites, the Widal and Diazo reaction for typhoid fever, gonococcus, spirochaeta pallida, feces for hookworm, round worm, tape worm and other intestinal parasites, microscopic urinalysis and rabies.

This laboratory does not make tissue examinations nor does it make analysis of food products.

(OVER)

The Bulletin's Mailing list now includes the physicians, ministers, school teachers, members of Women's Clubs, Local Registrars of Vital Statistics, Undertakers, Y. M. C. A. workers, State and County officials, members of the Legislature, and every Newspaper in the State.

We want a United Health Army of these 25,000 people to wage a successful warfare against consumption, typhoid fever, infant mortality, and all the communicable diseases.

The Returns to the Bureau of Vital Statistics show that 45 to 50 per cent. of all deaths are caused by diseases practically preventable.

"Fifteen years can be added to the average period of life, in one generation, by preventing these diseases."—Irving Fisher—Yale.

Teach the children, today, what we, yesterday, did not know about the causes and prevention of disease, that, tomorrow, the people of Kentucky may live longer, be freer from sickness and able to carry on the warfare against disease with less opposition from ignorant people who must be protected in spite of themselves.



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MEDICAL LAW ENFORCEMENT BULLETIN OF THE

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JANUARY, 1922

NO. 1

THE MEDICAL AND DRUGLESS PRACTICE LAWS, AND DATA BEARING UPON THEIR ENFORCEMENT.

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TO BE PRESERVED

Medical Law Enforcement Bulletin

THE MEDICAL LAW OF KENTUCKY

CHAPTER 85, KENTUCKY STATUTES.

Empiricism.

Medical Register to be Kept by County Clerk.

Sec. 2611. It shall be the duty of the county clerk of each county to purchase a book of suitable size, to be known as the "Medical Register" of the county, and to set apart one full page for the registration of each physician; and when any physician shall die or remove from the county, he shall make a note of the same at the bottom of the page; and said clerk shall, on the first day of January in each year, transmit to the office of the State Board of Health a duly certified list of the physicians of said county registered under this law, together with such other information as is hereinafter required, and perform such other duties as are required by this law; and such clerk shall receive the sum of fifty cents from each physician so registered, which shall be his full compensation for all the duties required under this law. (For composition of the State Board of Health, see Sec. 2047, page 913 of the statutes.)

Duties of Clerk Fees.

Must Register in County of Residence.

Sec. 2612. It shall be unlawful for any person to practice medicine, in any of its branches, within the limits of this State, who has not exhibited and registered in the county clerk's office of the county in which he resides his authority for so practicing medicine as herein prescribed, together with his age, address, place of birth, and the school or system of medicine to which he proposes to belong; and the person so registered shall subscribe and verify by oath, before such clerk, an affidavit containing such facts, which, if willfully false, shall subject the affiant to conviction and punishment for perjury.

**Certificate from
State Board of
Health Only
Authority to
Practice.**

Sec. 2613. Authority to practice medicine under this act shall be a certificate from the State Board of Health, registered in the county in which the holder resides; and said board shall issue a certificate to any reputable physician who desires to practice medicine in this State, who has passed a satisfactory examination before it, in the branches of medicine as taught in reputable medical colleges; and said board shall, upon application, admit to examination any person of good moral character, who may possess any of the following qualifications:

Qualifications.

I. A diploma from a reputable medical college, legally chartered under the laws of this State.

II. A diploma from a reputable and legally chartered medical college of some other State in this Union.

III. Satisfactory evidence from the person claiming the same that such person was reputably and honorably engaged in the practice of medicine in this State prior to February 23, 1884.

**Applications by
Mail or Proxy.**

Applicants may present their credentials by mail or proxy and shall receive due notice of the place and date of examination. Certificates shall be signed by the president and secretary, and attested by the seal of the board, and the fee for each examination, including the certificate, shall not exceed the sum of twenty-five dollars. The members of the board shall be entitled to receive ten dollars per day and their necessary traveling expenses for each day devoted to such examinations, to be paid from the fees provided herein, and the board shall have authority to provide for such assistants as it may deem necessary and pay for the same from the fund arising from such fees.

**Assistants in
Examinations**

Fee—(Now \$25).

**Semi-Annual
Examinations.**

Examinations shall be held at least semi-annually at Frankfort, Louisville, Lexington, or other centrally located places, and on such dates as the board may deem will best suit the convenience of applicants. The questions for all examinations in the branches common to all schools or systems of practice shall be prepared by a committee of the board, to consist of five members, one of which shall be a homeopath, one an eclectic, and one an osteopath, and said committee shall conduct all examinations and grade the same, and when any applicant has made the average prescribed by law, and is so graded,

**Examinations
Secret.**

the Board of Health shall admit such applicant to the practice of his or her profession in this State. All examinations shall be conducted in writing, and in such manner that the result shall be entirely fair and impartial, the applicants being known by numbers so that no member of the Board shall be able to identify the papers of any applicant until they have been graded and the case passed upon; and all questions and answers, with the grade attached, shall be preserved for one year.

Grades.

All applicants examined at any one time shall have the same questions asked them in anatomy, physiology, obstetrics, and the other branches common to all systems of practice, and shall be required to make an average grade of 70, with a minimum of 60 in any one branch; but all examinations, involving methods or principles of treatment shall be made and graded by that member of the board who represents, or most nearly represents, the school or system of practice to which the applicant belongs, or the board may, in its discretion, omit the examination in such branches. No member of the board shall be a stockholder or member of the faculty or board of trustees of any medical college.

**Itinerants
cannot be
Registered.**

Sec. 2614. Nothing in this law shall be construed as to authorize any itinerant doctor to register or to practice medicine in any county in this State.

**Authority to
Refuse or
to Revoke
Certificates.**

Sec. 2615. The State Board of Health may refuse to issue the certificate provided for in this act for any of the following causes:

1. The presentation to the board of any license, certificate or diploma which was illegally or fraudulently obtained, or the practice of fraud or deception in passing the examination.
2. The commission of a criminal abortion, or conviction of a felony involving moral turpitude.
3. Chronic or persistent inebriety, or addiction to a drug habit to an extent which disqualifies the applicant to practice with safety to the people.
4. Or other grossly unprofessional or dishonorable conduct of a character likely to deceive or defraud the public.

**Methods of
Procedure.**

The board may suspend or revoke a certificate for any of the causes for which it may refuse to grant a license under the provisions of this act. In

Appeals.

**Notice to
County Clerk.**

**Like Provisions
for Osteopaths.**

all proceedings for suspension or revocation under this act the holder of the certificate shall be furnished with a copy of the complaint, and shall be given at least thirty days thereafter to prepare for a hearing; and he shall be heard in person or by counsel, or both, as he may elect, and in such hearing and in all matters arising in the course of their duties, the president and secretary shall have authority to administer oaths; and in such hearing the board may take oral or written proof for and against the complaint, as it may deem will best present the facts. In all cases of refusal, suspension, or revocation, the applicant or holder may appeal to the Governor, who may affirm or overrule the decision of the board. Upon the suspension or revocation of any certificate, it shall be the duty of the board to give official notice of such action, under seal, to the county clerk of the county in which the holder is registered, and such name shall be marked as suspended for the period indicated, or stricken from the register, in accordance with such notice, and if such holder shall continue to practice he shall thereupon be subject to the penalties provided in the law to which this is an amendment.

Any person engaged in the practice of osteopathy in this State prior to February 1, 1904, who holds a diploma from a reputable osteopathic college, having a course of not less than four terms of five months each, legally chartered under the laws of any State in this Union, as determined by the osteopathic member of the board, and who makes application to the State Board of Health within ninety days after the passage of this act, accompanied by the fee hereinbefore provided, shall receive a certificate from the board without an examination, which, when registered in the office of the county clerk of the county of his residence, as required of other certificates issued by the board, shall authorize the holder thereof to practice osteopathy in this Commonwealth, but it shall not permit him to administer drugs, nor to perform surgical operations with the knife. The words, "practice of medicine," in this act, shall be held to include the practice of osteopathy.

But no person shall be permitted to practice osteopathy in this Commonwealth without an osteopathic diploma and certificate as provided in this section.

**Provisions for
other Systems
of Healing.**

5. Any other person applying for authority to treat the sick or injured, or in any way discharge the duties usually performed by physicians, whether by medical, surgical or mechanical means, shall apply to the State Board of Health, who shall examine them as to their competency in such manner as they may deem fair and best, but such examination shall always include anatomy, physiology and pathology, and the term "practice of medicine," as used in this act, shall be construed to be the treatment of any human ailment or infirmity by any method; but this shall not include trained or other nurses, or persons selling proprietary or patent medicines, when not traveling as a troupe or troupes composed of two or more persons.

**Itinerant
Vendors of
Nostrums.**

6. That any itinerant medical company of two or more persons traveling as a troupe or company as vendors of any drug, nostrum or instrument of any kind, intended for the treatment of any disease or injury, or who shall, by any writing or printing, profess to the public to treat disease or deformity by the use of any drug, nostrum, or instrument, shall pay to the board a license of \$100 per month, which shall be at once covered into the State Treasury. The board shall issue a license to reputable and worthy applicants under this section upon payment of the fee each month, but may for sufficient cause refuse such license. Any such itinerant vendor traveling as a company or troupe, with two or more persons as members or in its employ, who shall treat or profess to treat or cure disease or injuries by the use of any drug, nostrum, or instrument without license to do so, or shall sell the same for such purpose, in violation of this section, shall, upon conviction, each and every person so engaged, be fined fifty dollars for the first offense, and upon each subsequent conviction shall be fined one hundred dollars.

Fees.

**Penalties for
Each Offender.**

**All Systems of
Practice to be
Treated Alike.**

Sec. 2616. Nothing in this law shall be so construed as to discriminate against any peculiar school or system of medicine, or to prohibit women from practicing midwifery, or to prohibit gratuitous services in case of emergency; nor shall this law apply to commissioned surgeons of the United States Army, Navy or Marine Hospital Service, or to legally qualified physicians of another state, called to see a par-

ticular case or family, but who does not open an office or appoint any place in this State where he or she may meet patients or receive calls.

**Duty of Health
Officials to
Enforce Law.**

Sec. 2617. It shall be the duty of the State and local boards of health to bring to the attention of the courts any violations of the provisions of this law within their respective jurisdictions.

Definitions.

Sec. 2618. Any person living in this State, or any person coming into this State, who shall practice medicine, or attempt to practice medicine in any of its branches, or who shall treat or attempt to treat any sick or afflicted person by any system or method whatsoever, for reward or compensation, without first complying with the provisions of this law, shall, upon conviction thereof, be fined fifty dollars, and upon each and every subsequent conviction shall be fined one hundred dollars and imprisoned thirty days, or either or both, in the discretion of the court or jury trying the case; and in no case where any provision of this law has been violated shall the person so violating be entitled to receive any compensation for the services rendered. To open an office for such purpose, or to announce to the public in any way a readiness to treat the sick or afflicted shall be deemed to engage in the practice of medicine within the meaning of this act.

Penalties.

**Violation of
Law to
Open Office.**

HISTORY OF THE MEDICAL LEGISLATION AND ITS ENFORCEMENT.

When this, the first effective medical law Kentucky ever had, went into operation October 3, 1893, quackery had been as unrestrainedly rampant for years, as it still is in some of the other states of the Union. From Louisville, especially, but also from other centers of population in this and other states, so-called medical companies, made up of low grade physicians, who only took to the road like other highwaymen, after failure to make good honestly in their chosen calling, with high sounding titles and corps of self-proclaimed experts, especially in the diagnosis and treatment of obscure and difficult cases which were beyond the skill of ordinary doctors, with all of the false and fraudulent claims which constitute the chief assets of this hard boiled, conscienceless class, had their representatives, widely advertised in advance, visit the principal town in each county monthly, the personnel being changed as often as necessary to maintain the imposture.

This unrestricted sway of the lowest calling known among men, systematic robbers of sick people, had gone on so long that these vampires themselves, the medical and legal professions and the people, had come to believe that in some way this quack brotherhood had acquired valuable vested rights which neither the lawmakers nor courts could take from them.

At this low ebb of professional human depravity came the new medical law, which, fortunately and designedly, required a new certificate for every physician who desired to either begin or continue in practice in Kentucky, the granting and permanency of which was made subject to rules and regulations to be adopted by the State Board of Health, and from that day to this no one has ever received a certificate who has not filed with the board, as part of his application, and as the conditions upon which he received and retains such certificate, the following sworn agreement:

"I am not, and never have been, an itinerant or advertising doctor, and I hereby pledge my solemn word of honor and oath never to become such in any capacity, if, under this application, a certificate is issued to me."

A rigid enforcement of this law and agreement, as soon as authoritative decisions affirming the validity of the legislation could be secured from the highest courts, to which every phase of the decisions in the lower courts inimical to them were promptly carried by the combined quack interests, quickly caused such a hegira of these vampires from Kentucky as had never before nor since been seen from any other state; and, except for the comparatively recent incursions of unscrupulous representatives of some of the new drugless cults, our people have been well protected from all of the grosser forms of charlatanry. When the emergency from this bad element of the new forms of practice became acute, with the cordial co-operation of the real leaders of these systems of practice already represented in the State, an agreed bill was promptly prepared and enacted into law, without organized opposition, becoming effective June 20, 1920, as follows:

KENTUCKY'S NEW DRUGLESS PRACTICE LAW.

CHAPTER 31, ACTS OF 1920.

All Systems of
Healing
Included.

Assistant
Examiners.

Separate
Examinations.

Examinations
Secret.

1. That the State Board of Health shall, upon application of the Kentucky Association of Optometrists, in regard to the practice of optometry, and of any state association composed of practitioners of any drugless or limited school or system diagnosing or treating human ailments, defects or deformities, now in existence or which may hereafter be devised, legally chartered under the laws of this Commonwealth, from a list of seven of its members selected and certified to said board by such association as persons of good moral character and graduates of a reputable college of such system of practice, appoint three assistant examiners for each such school or system to represent each of said groups in the examination of its applicants, by preparing all questions and grading all papers involving methods or principles of diagnosis, treatment, adjustment, cure or relief of patients, and by the assistant examiners in optometry in the practice of optometry, and who may be present at any meeting when such grades are considered, which grades shall be accepted by the board and considered with the grades made in anatomy, physiology and pathology, prescribed and required by the board to test the qualifications of applicants from all schools or systems to practice with safety to the sick and afflicted, and the board shall issue certificates to all applicants who make the grades required by existing law, provided that applicants may practice the branches in which they are found qualified. The board shall have authority to hold separate examinations for the different schools, or systems of practice, or groups of them or for optometrists, as it may deem best, and may, insofar as in its judgment may be consistent with the safety of the sick and afflicted, limit the examination in anatomy, physiology, pathology and other subjects to special regions or parts of the body, and in its certificates it shall limit the treatment and work of such applicants to the method of practice in which they have been trained and found qualified. All examinations shall

**Authority to
Make Rules.**

be secret and in all matters as to standards of education or reputability, and as to questions and grades, shall be governed and conducted as provided by law and by rules and regulations of the board not inconsistent therewith.

**Applications by
Mail or Proxy
Forms to be
Furnished by
the Board.
—Fees.**

2. That applicants may present their credentials by mail or proxy upon forms furnished by the board. All certificates shall be signed by the president and secretary and attested by the seal of the board. The fee for each certificate, including the examination, shall not exceed the sum of twenty-five dollars, which is hereby fixed as the fee to be paid by all applicants; and all of such fees shall be paid into the state treasury and kept as a separate fund and used for paying the expenses of the administration and enforcement of this act and of chapter 85, Kentucky Statutes, and shall be accounted for as required by law for other funds and expenses of the board.

**Exemptions for
Those in
Reputable Prac-
tice Prior to
January 1, 1920.**

3. That any person who was reputably engaged in the practice of anesthesia, chiropractics, chiropody, or other systems of drugless healing, or optometry, or any other limited system or special branch of practice in this Commonwealth on or before January 1, 1920, who is endorsed as competent and reputable by the assistant examiners for the school or system which he professes to practice, or in respect to an optometrist by the assistant examiners in optometry, and who makes application to the board within ninety days after this act goes into effect, accompanied by the fee, shall receive a certificate without examination. All certificates, issued under the provisions of law by the State Board of Health when registered in the office of the county clerk of the county in which the holder of such certificates resides, shall authorize the holder to practice the system of healing named in such certificate, subject to all of the conditions imposed upon the holders of all certificates heretofore issued, or hereafter to be issued under the law.

**All Certificates
Subject to Con-
ditions Imposed
by Existing
Laws and Rules.**

**Definitions—
Not to Open
Office or An-
nounce Read-
iness to Practice.**

4. That any person living in this state or who may hereafter come into this state who administers anesthetics or practices or attempts to practice any system of diagnosis or healing now in existence or which may hereafter be devised, or who corrects defects of the eye or other parts of the human body by

Penalties.

mechanical or any other means, except upon the prescription of a legally qualified physician, or in any way performs the duties usually performed by physicians, without having complied with the provisions of law, or who opens an office for such purpose or announces to the public a readiness to so practice, shall, upon conviction, be subject to all of the penalties provided in section 2618, chapter 85, of the Kentucky Statutes; provided this act shall not apply to persons who sell trusses, spectacles, eye-glasses, or lenses only as merchandise in a duly established mercantile establishment; provided further, that this act shall not apply to the practice of Christian Science; provided further, that this act shall not apply to the practice of dentistry.

Approved March 20, 1920.

As will be seen, the law makes it the duty of the State Board of Health to furnish the forms upon which all applications shall be made, and, in the light of its experience with the nefarious attempts to deceive and defraud sick people and their friends resorted to by charlatans under the medical law, and with the full concurrence of the Assistant Examiners of each system of practice which was able to qualify under this law, every application made and filed with it contained the following solemn agreement with the board made under oath:

"I am a bona fide resident of this State and, in making this application, I agree to conform to the honorable rules of conduct and fair dealing with the sick and afflicted always required of, and observed by all practitioners of healing, regular, homeopathic, eclectic, osteopathic and others, as a condition of obtaining and holding certificates in this State, and I hereby pledge my solemn word of honor under oath that I will not become an itinerant, soliciting or advertising practitioner, and will not make, or join with others in making, any announcements or claims to the public which have not been submitted to the State Board of Health by the Assistant Examiners provided by law for my school or system of practice, with its recommendations, and officially approved by said Board," which agreement and oath are now incorporated in applications for all systems under both the medical and drugless practice laws.

When all of the practitioners of the various schools or systems of healing who were exempted from examination by the law had filed their applications, and before any of the certificates were issued, the Assistant Examiners of each system of practice represented in the State, prepared, and the State Board of Health approved and promulgated, rules for the information and observance of the practitioners of each system or school of practice, and for the protection of the sick public against false or misleading announcements. A copy of the law and the rules made under it sent to each applicant with his certificate, are as follows:

RULES AND REGULATIONS MADE UNDER THE MEDICAL AND THE DRUGLESS PRACTICE LAWS.

For all announcements or claims to the public by means of cards, circulars, advertisements or otherwise, unanimously recommended respectively by the Assistant Examiners of the systems or practice named and approved by the State Board of Health.

RULE 1—For Regulars, Homeopaths and Eclectics.

DR. JOHN DOE,
Francis Building,
Louisville, Ky.

Hours: 11 a. m. to 1 p. m.

Phones: Main or City, 2525

Practice limited to internal medicine or to surgery or other specialty as may be.

Hours: 8 a. m. to 6 p. m.
Practice limited to the treatment of corns, bunions and other minor surgery for foot troubles.

RULE 5—For Anesthetists.

MISS MARY DOE, Anesthetist,
Francis Bldg., Louisville, Ky.
Room 405

Hours: 11-12 a. m., 1-2 p. m.

Phones: City or Main, 2458

Practice limited to the administration of anesthetics.

RULE 2—For Osteopaths.

DR. JOHN DOE, Osteopath
425 E. Chestnut St.
Louisville, Ky.

Hours: 9 a. m. to 4 p. m.

Phones: Main or City, 434.

Practice limited to treatment of disease by adjustment of the spine or other misplaced structures.

RULE 6—For Optometrists.

JOHN DOE, Optometrist.
Starks Bldg., Louisville, Ky.
Room 419

Hours: 9-12 a. m. to 2-4 p. m.

Phones: Main or City, 4196.

Practice limited to diagnosing and correcting defects of eyesight by the fitting of proper glasses.

RULE 3—For Chiropractors.

DR. JHON DOE, Chiropractor.
Norton Building, Louisville, Ky.
Room 304.

Hours: 9 a. m. to 5 p. m.

Phones: City or Main, 1839.

Practice limited to the treatment of disease by spinal adjustment.

RULE 7—Form for cards or other announcements recommended for optical houses or companies conducted by or employing practitioners holding certificates.

THE WESTERN OPTICAL CO.,
Francis Bldg., Louisville, Ky.

Phones: Main or City, 2525.

A full line of best spectacles, eye-glasses and other optical goods and supplies. Constant optometric service. Oculists' prescriptions and mail orders given prompt attention.

RULE 4—For Chiropodists.

JOHN DOE, Chiropodist.
Trust Co. Bldg., Lexington, Ky.
Rooms 506-507.

RULE 8—Announcements or advertisements other than the above forms must be submitted to and recommended by the Assistant Examiners for any of these systems of practice, and approved by the State Board of Health.

RULE 9—Except in sparsely settled counties selected by the Assistant Examiners of the system of practice to which he belongs and the State

Board of Health, acting jointly, and by practitioners specially designated by these authorities in writing for a definite period of six months, nothing in the law shall be construed to authorize any one holding a certificate under this law to register or practice as an itinerant, or ever to use solicitors for his practice in any part of this Commonwealth.

VALIDITY OF THESE LAWS.

The legislature has the power as a condition precedent to the right to practice the medical profession or other professions having to do with the diagnosis or treatment of human ailments, infirmities or deformities, to require that the applicant shall be possessed of the qualifications of honor and moral character, and learned in the profession which he seeks to practice.

To this end, it has given the State Board of Health authority to refuse certificates to physicians or other persons to practice any profession connected with the treatment of the sick or afflicted by any system or method, and to revoke such license after it has been granted, for grossly unprofessional and dishonorable conduct on the part of the holder thereof of a character likely to deceive or defraud the public. Governor Brown's decision, dated Executive Office, Frankfort, Kentucky, October 6, 1893, makes this authority clear as do the following court decisions: *Driscoll vs. Commonwealth*, and *Commonwealth vs. C. W. Rice*, decided by the Court of Appeals in an opinion by Judge Pryor, October 20, 1892; decision of Hon. W. O. Bradley, Governor of Kentucky on *B. A. Stockdale's* appeal; *Dent vs. West Virginia*, 129 U. S. 114, 32 Law Edition, page 623; *Hawker vs. N. Y.*, 170 U. S. 189, 42 Law Edition 1002; *Forman vs. State Board of Health*, 157 Ky. 123, 162 S. W. 796; *State of Minnesota on relation of E. C. Fuller vs. State Board of Medical Examiners*, 34, p. 390; *Hewitt vs. Charier*, 16 Pick 353; *Spaulding vs. Alford*, Pick 1, 33; *Wright vs. Lanckton*, 19 Pick 288; *Cooley Const. Lim.* 283, 569 and 745.

ELWOOD HAMILTON,

Attorney for the State Board of Health.

AUTHORITY TO REVOKE CERTIFICATES—PROCEDURE.

ELWOOD HAMILTON,
ATTORNEY AT LAW

1406-7-8 Inter-Southern Building,
Louisville, Ky.

July 30, 1921.

State Board of Health,
532 W. Main Street,
Louisville, Kentucky.

Gentlemen:—

We have your request for an opinion in which you say: "The State Board of Health desires to know whether or not it can revoke the certificates granted under Chapter 31, Acts of 1920, providing for the practice of the various systems of healing indicated therein, for a violation of law and any of the rules made under it, and also, whether or not the State Board of Health may make the same rules and regulations apply to practitioners under the drugless practice law, that do apply to doctors of medicine under the State medical law. Paragraph 8 of the application for the certificate to practice undertakes to set out certain specific promises under oath that the applicant agrees to comply with in the practice of his profession. If any part of this agreement is violated, has the board power to revoke?"

You are, of course, familiar with Section 2615, Kentucky Statutes, which provides the conditions under which certificates to practice medicine may be granted, or may be revoked, and in the matter of revocation it provides the proceedings necessary to be followed. It also gives the accused the right to appeal to the Governor in the event the board decides against him. This act has been upheld in the case of *Forman v. State Board of Health*, 157 Ky. 123, and 162 S. W. 796. In that opinion the court said:

"The proceeding is not judicial; it is purely administrative. The State may create a board to grant licenses to physicians and authorize the same board to revoke a license they have granted. Arbitrary power can not be conferred on the board; it may not act arbitrarily, but must act upon reasonable grounds and in compliance with the statute.

A number of cases are referred to in line with that opinion. In that opinion the court upholds the right of the board to revoke a certificate where it can be shown by the board that the conduct of the accused has been grossly unprofessional or dishonorable and of a character likely to deceive or defraud the public.

There is, therefore, no doubt about the right of the board to revoke a certificate under such conditions.

Your question, however, is whether or not the same rules and regulations apply to practitioners of the drugless systems or schools. Under Chapter 31, Acts of 1920, General Assembly, it says:

"All certificates issued under the provision of law by the State Board of Health when registered in the office of the county clerk of the county in which the holder of such certificate resides, shall authorize the holder to practice the system of healing named in such certificate, subject to all conditions imposed upon the holders of all certificates heretofore issued, or hereafter to be issued under the law."

There can be no doubt that it was the intention of the legislature that all certificates under this act should be governed by the same rules and regulations that governed other certificates issued by your board and we believe that the words above quoted from the act clearly show that intention.

We are of the opinion, therefore, that your board has the same authority in the matter of revoking certificates of those licensed to practice any of the drugless systems that it has in revoking any license to practice medicine, when the provisions of Section 2615, Kentucky Statutes, are followed by the board.

Very truly yours,

(Signed) ELWOOD HAMILTON,
Attorney for the State Board of Health.

NOSTRUM VENDORS AND LOW GRADE DRUGGISTS.

ELWOOD HAMILTON
ATTORNEY AT LAW
1406-7-8 Inter-Southern Building
Louisville, Ky.

Louisville, Ky., Aug. 1, 1921.

State Board of Health,
532 West Main Street,
Louisville, Ky.

Gentlemen:—

I have your written inquiry in which you ask: "The State Board of Health desires to know if an itinerant medical company undertakes to advertise drugs or nostrums from a wagon or other places in the street, but states to the persons in attendance that they do not sell the medicine, but if they will call at a certain designated drug store in the town, the medicine or nostrum will be delivered to them on the payment of the advertised price, can the druggist, together with the other members of the medical company, be convicted upon the above facts for a violation of subsection 6, section 2615 of Carroll's Statutes.

Under this section of the statute you are advised that where a druggist sells medicines from a drug store immediately after they have been advertised by an itinerant medical company, of two or more persons traveling as a troupe or company, such traveling medi-

cal company directing the purchaser to call at the drug store, the druggist becomes the agent or member of the itinerant medical company and must have the license provided for in subsection 6, section 2615, or subject himself to the penalties for selling nostrums as part of an itinerant medical company without license."

Yours respectfully,

ELWOOD HAMILTON,

Attorney for the State Board of Health.

HOW REPUTABLE DRUGGISTS FEEL ABOUT THIS NOSTRUM BUSINESS.

Commenting editorially on the foregoing opinion of Mr. Hamilton, the September issue of *The Kentucky Druggist*, the official organ of the State Pharmaceutical Association, says:

Again—Attention!

Our readers will no doubt remember the article in our last issue pertaining to the itinerant vendor, also the communication between the State Board of Health and the office of their attorneys. We possibly went a little farther in our opinion of the matter than their attorneys did in their advice. Since our last publication the attorneys of the State Board of Health have gone into the matter a little farther. They have gotten the matter to a point which covers the sales by what is strictly known or considered as the Itinerant Medical Company or the Traveling Medicinal Company. This shows plainly how the druggist becomes a part of the itinerant vendor's company and is subject to Subsection 6, Section 2615, of Carroll's Statutes.

Since publishing our last issue we have been in receipt of several letters asking our advice as to the matter. And in each instance we advised to abstain from any co-operation or connection with any company or parties parading themselves as itinerant medicine vendors. The State Board of Health feels well assured that they have been properly advised and that they will be sustained by the courts. This has been fully illustrated in some of the smaller towns of the State. Not only will the board proceed against any druggist whom they believe guilty, but they will revoke the license of any physician who has been associated with these itinerant medicine vendors. We again advise all reputable druggists to keep away from these bogus nostrums that are foisted upon the market. We trust the Board of Health will find some method to prevent what we believe to be the biggest evil of today. This is the wealthy and liberal vendor who uses page after page of valuable space in the daily press to advertise these bogus nostrums. They sometimes print testimonials of the wonderful cures of certain people, and the death notice of the same party is seen two days later.

Brother druggists, just think of it! Not long ago a druggist distributed throughout the United States some literature which contained an article similar to the following: "My husband and I have spent fifteen years of childless married life, but after taking two bottles of Dr. Hokeum's Honey Juice we now have two bouncing boys—twins." Brother druggists, you do not want to be a party to distribute literature of this kind, do you? Read the daily papers and you will find testimonials almost as ridiculous as the one mentioned above. We believe that the reputable druggists of the State of Kentucky should co-operate with the State Board of Health in an attempt to stop this ridiculous method of deceiving the innocent public.

DUTY OF COUNTY AND COMMONWEALTH'S ATTORNEYS AND THE ATTORNEY GENERAL UNDER THESE LAWS.

Subsection 3, Section 2054 of the Acts of 1918: That it shall be the duty of the County and Commonwealth's Attorneys and the Attorney General, within their respective jurisdictions, to represent the State and local boards of health in all matters realting to the enforcement of the health and medical laws, and in the performance of the duties of such boards, but when the State Board of Health, in its capacity as guardian of the health and lives of the people, shall deem it necessary, it may employ at its discretion special attorneys and inspectors to assist such officers to perform such duties and pay reasonable compensation for the same from any unexpended fund at its disposal.

DUTY OF THE STATE AND LOCAL BOARDS OF HEALTH MADE MANDATORY.

Section 2617, Chapter 85, Kentucky Statutes: It shall be the duty of the State and local boards of health to bring to the attention of the courts any violations of the provisions of this law within their respective jurisdictions.

SUGGESTED PLAN OF ORGANIZATION AND WORK FOR LAW ENFORCEMENT IN EACH COUNTY.

The State Medical Association and the State Board of Health, acting jointly, request that at its next meeting, or at a called meeting of the Society to consider this matter within the next month with the best attendance you can secure if regular meetings are not being held, each County Society appoint a committee upon law enforcement composed of three of its best, most influential and forceful members, including the County Medical Referee, who should be its executive, whose duty it shall be to make a careful study of these medical laws, with a view to their uniform and vigilant enforcement.

After a careful study of this Bulletin, devoted to the laws and the methods for their enforcement necessary for the proper protection of the health and lives of the people against charlatantry and fraud, which the importance of the subject demands, one of the first duties of the committee should be to wait upon and call the attention of the county clerk to Section 2613 of the statutes, showing that nothing but a certificate from the State Board of Health can be made a basis for registration for any kind of practice, and to Section 2614, which provides specifically in both letter and spirit, that no itinerant doctor can register or practice in this State, even though he holds a certificate which entitles him to registration in the county of his residence, and to the closing paragraph in Section 3 of the Drugless Practice Law, Chapter 31 of the Acts of 1920, which makes all certificates heretofore or hereafter issued under it subject to the restrictions imposed by Section 2614. If the county clerk will do his plain duty, about which the county attorney will advise him if necessary, it will practically put an end to open quackery in the county; but, in any event, the committee should next call upon the county judge, county attorney and sheriff, or the police judge and city prosecutor in the larger cities, each of whom should have been supplied with a copy of the bulletin in advance, for the purpose of having them understand the merits of, and the necessity for, these laws, and of securing their sympathetic co-operation in protecting helpless sick people from the ignorance and imposition of quackery.

Later, at a time arranged through the courtesy of the county attorney, preceding the next meeting of the circuit court, the committee should wait upon the judge of that court and the Commonwealth's Attorney, with the county attorney present if possible, to make a respectful request that offences against these laws be made the subject of a special charge to the next grand jury, and to subsequent grand juries as conditions may require, and for the rigid prosecution of cases where indictments are found, and to advise them that from time to time lists of witnesses of known violators of the law will be furnished to the prosecuting officials.

Few quacks will venture into a county organized for such prompt and efficient work as is here indicated, a vast experience in dealing with them having shown that no other man knows so well as does a faker of this kind the obvious dishonesty of his calling, and if, upon his arrival at the county seat and before he has started in practice, the prospective offender be waited upon by the sheriff, marshal or other officer, with the request that he appear before the county judge, county attorney or medical referee for an investigation of his authority and plan of work, this bulletin being used to refresh the memory of such officer in advance of the interview, which should be conducted solely with the view of protecting helpless sick people from fraud and imposture, after a little bravado he will usually disappear without the necessity for court action; and this will always be the result if the county clerk follows the law and refuses to register

him. In every attempt of an itinerant holder of a certificate from this board to register, the county clerk should require that an affidavit, in writing, accompany the application, and the committee should promptly forward a copy of this, with his advertising matter and other pertinent facts, to the board that its attorney may advise if proceedings should be instituted looking to the revocation of the certificate.

Except for Christian Science, which is essentially a religious rather than a healing cult, and for that reason left to the tender mercies of the clergy instead of the courts by special provision of law, with an efficient committee to get the evidence ready and the county attorney to prepare the cases for trial, the procedure against "cancer" and "herb" doctors and similar conscious or ignorant swindlers not holding certificates from the State Board of Health, ought usually to be very simple.

If the procedure is by warrant, the county attorney should prepare it, and if requested to do so, he will also indicate a trial judge or magistrate to issue the warrant, who is known as one who will enforce the law without fear or favor in all cases brought before him. One reliable witness, by whom it can be shown that the party did the practice for reward or compensation, with the county clerk to show that he is not registered, will ordinarily be sufficient, no evidence for the defense being competent except it be to show either that the defendant did not do the practice, or that he is legally registered in the county.

If the procedure be by indictment, which has obvious advantages in cases involving important legal questions, about which the prosecuting attorneys can best advise, upon their request, Mr. Hamilton, attorney for the board, will attend and assist in the trial, especially if a date for it be agreed upon by the attorneys on both sides long enough in advance to enable him to avoid making conflicting engagements.

Asking you to see or correspond with either Hon. Elwood Hamilton, attorney of the board, Inter-Southern Building, this city, or with me, whenever we can advise with you about any phase of this work, I am,

Very truly yours,

J. N. McCORMACK, Director,

State Board of Health Bldg.,

Louisville, Kentucky.

* * * * *

MEDICAL DEFENSE.

The Medico-Legal Committee of the Kentucky State Medical Association having been informed as to the character and nature of this bulletin, and having approved its purpose, suggests that a statement

in regard to malpractice suits be appended, and, while this is not strictly germane to the subject of the bulletin, it is of such importance to the people as well as to the medical profession of Kentucky, we have no hesitation in doing so.

The committee suggests that the Law Enforcement Committee of each County Society should also be charged with responsibility for the investigation of suits against physicians for malpractice, and that it make a prompt and careful investigation of the essential facts and merits in every malpractice suit filed, or threatened, within its jurisdiction. This committee has made a very careful study of malpractice suits for the past ten years, and it has found that these suits are frequently caused by the meddling of some thoughtless or low grade competitor, but in more cases the failure to get good results was from the patient or the family failing to carry out the instructions of the medical attendant, and that usually even in these cases such suits have a large element of blackmailing schemes, with such an exaggeration of the misdoings of the doctors concerned as might be expected from a combination of the ignorant and unscrupulous people who would be a party to such schemes.

The Court of Appeals has recognized the high standards required for the medical profession of Kentucky, and states very fairly in all of its recent decisions that because of such standards for many years past, our physicians are expected to show and use the best skill and care known to the average members of the profession of the State in the treatment of each case. The investigations of the committee have shown this to be a fair statement of facts, and in almost every case investigated the physician has measured fully up to such standards.

It is apparent that it is just as important for the organized medical profession to assist in seeing that a doctor guilty of malpractice be punished as it is that they help defend one unjustly accused. For this reason, the Law Enforcement Committee should investigate every threatened malpractice suit, securing statements from the plaintiff and all of his witnesses, which should be taken in the form of affidavits where possible, and all of this matter should be promptly transmitted to the Medico-Legal Committee for the advice of our counsel, so that it may be able to help bring the matter to a just decision. Physicians do and should help each other in these cases whenever one of their number is unjustly accused, but it is important for the public to understand, as the profession already does, that they are just as ready to help punish one of their number who is, from bad habits or incompetency, guilty of malpractice. Prompt reports of threatened suits for malpractice with the results of the committee's investigation should be made to Dr. John J. Moren, Chairman, Weissinger-Gaulbert Building, Louisville, Kentucky.

Medical Law Enforcement

BULLETIN

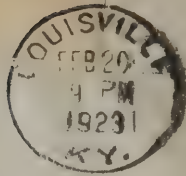
of the

State Board of Health of Kentucky

532 W. Main Street

Louisville, Kentucky

Entered as second class matter at the Post Office at Louisville, Ky., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, and authorized September 5, 1919.



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OF THE



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JUNE, 1923

NO. 2

Preliminary Vital Statistics Report For 1921-1922 Death Tables For 5 Years, 1918-1922 Inclusive And Birth Tables For 2 Years, 1921-1922

CIRCULATION 25,000 REPRESENTATIVE PEOPLE OF KENTUCKY.

ADVISE US OF A CHANGE OF ADDRESS.

MAILED TO ANY CITIZEN OF THE STATE FOR THE ASKING.

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Consumption,
Typhoid Fever,
Scarlet Fever,
Smallpox,
Diphtheria,

Opthalmia Neonatorum,
Measles,
Whooping Cough,
Kentucky Sanitary Privy.

BUREAU OF VITAL STATISTICS—Reminders.

Physicians are required to report births within ten days to the local registrar in whose district the birth occurs.

Failure to report births may deprive the individual of personal, social or property rights and is a violation of law.

Undertakers or persons acting as such are required to secure a complete death certificate before they can secure a permit to bury a body.

Failure to secure a certificate of death which gives the cause of death and family history, may deprive a widow or orphan of a pension or insurance fund, prevent the State Board of Health from locating an epidemic which it can stop, cause the spread of disease and is a violation of law.

Local registrars should inform the State Registrar of violations of the law, giving names and addresses and the facts.

If an epidemic occurs in a community local registrars should inform the State Registrar, that the State Board of Health may take steps at once to stop the spread of the disease.

**MAKE REPORTS PROMPTLY ON THE TENTH
OF THE MONTH.**

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Bulletin of the State Board of Health of Kentucky

June 1, 1923.

Dr. A. T. McCormack, Secretary,
State Board of Health,
Louisville, Kentucky.

Dear Sir:—I have the honor to submit herewith the preliminary report of Birth and Death Statistics for the years 1921 and 1922. A final compilation including delayed certificates may show a slight deviation from the figures herein given.

Respectfully,

J. F. BLACKERBY,
State Registrar.

On account of the work and expense incident to the publishing of the second series of Birth and Death Directory, and the re-numbering of all registration districts in the State, which was made necessary by the large number of new voting precincts created in 1920 and 1921, requiring the editing of a new Local Registrars' Bulletin, we found it impossible to prepare the annual report for 1921 before December, and as 30 to 60 days would be required to print same, it was deemed advisable and economical to publish the 1921 and 1922 reports in one volume. Besides the extra work above mentioned we were compelled to secure the appointment and issue commissions for our 1,300 Local Registrars as provided in the Amendment to the Vital Statistics Law enacted by the General Assembly of 1922.

We have endeavored to arrange the statistics for the two years in a way to make the figures for each year separate and distinct and at the same time convenient for comparative study. A table of contents is provided on inside front cover, which will make it easy to locate data desired.

—1921—

The 1921 death rate for the state of 10.9 is the lowest that has prevailed since the recording of deaths was begun in 1911, and is in keeping with the reports from the U. S. registration area at large, which shows a very decided drop in the death rate for this year.

Particularly gratifying was the reduction in the number of deaths from Tuberculosis and Pneumonia, being nearly one-fifth less than in 1920. In fact, the death rate of all the preventable diseases continued to decline with the exception of Typhoid Fever, Dysentery, and Infantile Diarrhoea, and both being intestinal infections would indicate a relaxation in home sanitation and selection of food and drink.

Also contributing to the high death rates for these diseases is the poor quality of many of the public water supplies and the lack of proper disposal of human waste in the rural districts. Until improvements in these two factors are made, a marked decrease in the death rates of these communicable diseases can hardly be expected. The State Board of Health is using its best efforts to educate the people of the rural districts in the proper disposal of human waste to prevent the pollution of water supplies and the carrying of these diseases by flies.

The birth rate of 28.0 is the largest ever recorded in the state and is nearly 10% above the average for the U. S. registration area. The total births reported were 67,711, being over four thousand more than for the banner year of 1913.

—1922—

The report for this year shows that the general health conditions throughout the state continue to improve, and the slight increase in the death rate over 1921 is more

than accounted for in deaths occurring from Influenza; the months of February and March each reporting more deaths than occurred during the entire year of 1921. These reports confirmed the belief that the public had recovered from the fright of 1918 and 1919, and neglected to use the Influenza serum and to employ the necessary precautions. The State Board of Health, fearing another epidemic, issued a warning through the press of the state last fall. The effect of the "Flu" is reflected in the slightly

increased rates for both Tuberculosis and Pneumonia.

The marked reductions in the rates for Typhoid Fever, Diarrhoea, and Diphtheria, are doubtless in consequence of the special attention directed to these diseases by the monthly reports issued to the public health agencies working in the state.

The high birth rate of 1921 was not maintained this year, the total figures, 62,621, being practically the same as for 1920, which is above the average for the registration area.

TABLE 1.—1921.
Preliminary Report of Deaths and Rates for White and Colored.

Estimated population	Total 2,416,087		White 2,151,763		Colored 264,324	
	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total deaths (exclusive of stillbirths)	26,266	10.9	21,875	10.1	4,351	16.0
Important Ages						
Under 1 year	4,165		3,675		490	
1 to 5 years	2,136		1,938		198	
65 years and over	7,192		6,412		780	
Important Diseases						
Tuberculosis (all forms)	3,135	129.2	2,374	110.3	761	287.8
Pneumonia	2,040	84.4	1,703	79.1	338	127.8
Whooping Cough	266	11.0	227	10.5	39	14.7
Diphtheria—croup	652	26.9	608	28.2	42	15.8
Scarlet fever	56	2.3	55	2.5	1	.3
Meningitis	328	13.1	299	13.9	29	11.3
Measles	159	6.6	155	7.2	4	1.1
Typhoid fever	634	26.2	539	25.0	95	35.9
Diarrhoea—enteritis (infant)	1,160	44.7	1,039	48.2	121	45.7
Diarrhoea—dysentery (adult)	610	25.2	515	23.8	95	35.9
Influenza (lagrippe)	286	11.8	226	10.5	60	22.7
Puerperal septicemia	177	7.3	148	6.7	29	11.3
Malaria	84	3.4	70	3.2	14	5.3
Infantile paralysis	18	.7	17	.7	1	.3
Syphilis	115	4.7	68	3.1	47	17.7
Cancer	1,299	53.8	1,159	53.8	140	52.9
Violence	1,799	74.4	1,487	69.1	312	118.0
Pellagra	58	2.4	51	2.4	7	2.6

TABLE 1—1922.
Preliminary Report of Deaths and Rates for White and Colored.

Estimated population	Total 2,416,630		White 2,180,692		Colored 235,938	
	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total deaths (exclusive of stillbirths)	26,483	11.0	22,245	10.2	4,238	17.9
Important Ages						
Under 1 year	4,290		3,777		513	
1 to 5 years	1,826		1,610		216	
65 years and over	8,127		7,016		1,111	
Important Diseases						
Tuberculosis (all forms)	3,170	131.1	2,518	115.4	652	276.3
Pneumonia	2,533	104.8	2,088	95.7	445	186.9
Whooping Cough	124	5.1	112	5.1	12	5.0
Diphtheria—croup	498	20.6	467	21.4	31	13.0
Scarlet fever	33	1.3	32	1.4	1	.4
Meningitis	340	14.0	310	14.6	30	12.7
Measles	96	3.9	82	3.7	14	5.9
Typhoid fever	458	18.9	397	18.2	61	25.9
Diarrhoea—enteritis (infant)	832	34.4	756	34.6	76	32.2
Diarrhoea—dysentery (adult)	485	20.0	391	17.9	94	39.8
Influenza (lagrippe)	1,098	45.4	948	43.4	150	63.5
Puerperal septicemia	143	5.9	120	5.5	23	9.7
Malaria	62	2.5	56	2.5	6	2.5
Infantile paralysis	22	.9	19	.8	3	1.2
Syphilis	108	4.0	60	2.7	48	20.3
Cancer	1,324	54.7	1,176	53.0	148	62.7
Violence	1,803	74.6	1,515	69.4	288	122.0
Pellagra	70	2.9	62	2.8	8	3.3

TABLE 2.

WHITE AND COLORED DEATHS IN ELEVEN CITIES.

1921	All Deaths	Rate Per Thousand	Tuberculosis (All Forms)	Pneumonia	Whooping Cough	Diphtheria	Measles	Typhoid Fever	Diarrhoea (Under 2 yrs.)	Influenza	Cancer	Violence	Malaria
11 Ky. Cities—Total...	6,772	15.6	768	550	48	78	25	78	179	68	478	532	7
White	5,084	13.2	487	392	41	67	24	47	138	34	406	423	3
Black	1,688	22.1	281	158	7	11	1	31	41	34	72	109	4
Ashland—Total	252	17.1	23	15	3	4	15	4	26	0	15	25	0
White	238	16.7	23	15	3	4	15	3	22	0	14	23	0
Black	14	28.8	0	0	0	0	0	1	4	0	1	2	0
Newport—Total	264	9.0	40	24	7	4	1	4	10	7	22	8	0
White	240	8.5	30	22	7	4	1	2	9	7	20	8	0
Black	24	27.8	10	2	0	0	0	2	1	0	2	0	0
Hopkinsville—Total ...	205	21.1	31	11	1	3	0	6	6	2	16	15	0
White	98	16.4	10	6	1	3	0	0	3	1	10	6	0
Black	107	29.4	21	5	0	0	0	6	3	1	6	9	0
Owensboro—Total	306	17.5	34	22	0	10	0	7	9	9	26	15	0
White	242	16.7	26	17	0	7	0	6	7	3	23	9	0
Black	64	22.6	8	5	0	3	0	1	2	6	3	6	0
Lexington—Total	876	21.0	100	82	0	5	0	15	16	9	53	55	0
White	586	20.3	60	52	0	4	0	9	10	1	38	41	0
Black	290	23.1	40	30	0	1	0	6	6	8	15	14	0
Frankfort—Total	167	17.0	29	10	0	0	0	5	4	1	9	8	0
White	116	16.6	12	5	0	0	0	5	4	1	8	8	0
Black	51	22.8	17	5	0	0	0	0	0	0	1	0	0
Henderson—Total	185	15.2	21	18	1	2	0	4	9	2	9	16	1
White	115	12.5	11	12	1	1	0	3	4	1	5	12	0
Black	70	23.8	10	6	0	1	0	1	5	1	4	4	1
Louisville—Total	3,226	14.0	334	259	20	38	8	18	75	24	232	290	3
White	2,423	12.4	214	180	15	32	7	8	61	8	205	235	3
Black	803	20.0	120	79	5	6	1	10	14	16	27	55	0
Covington—Total	739	13.5	85	72	8	4	0	8	8	3	66	50	0
White	630	11.7	64	58	6	4	0	6	8	2	54	43	0
Black	109	35.8	21	14	2	0	0	2	0	1	12	7	0
Paducah—Total	392	15.9	53	25	4	4	0	6	13	5	22	30	3
White	279	14.7	29	16	4	4	0	4	7	4	21	24	0
Black	113	20.2	24	9	0	0	0	2	6	1	1	6	3
Bowling Green—Total..	160	16.7	18	12	4	4	1	2	3	6	8	20	0
White	160	16.2	8	9	4	4	1	1	3	6	8	14	0
Black	43	20.4	10	3	0	0	0	1	0	0	0	6	0

TABLE 2.

WHITE AND COLORED DEATHS IN ELEVEN CITIES.

1922	All Deaths	Rate Per Thousand	Tuberculosis (All Forms)	Pneumonia	Whooping Cough	Diphtheria	Measles	Typhoid Fever	Diarrhoea (Under 2 yrs.)	Influenza	Cancer	Violence	Malaria
11 Ky. Cities—Total...	7,313	15.8	712	709	13	65	32	55	137	193	481	512	4
White	5,487	14.3	478	497	9	48	28	39	108	141	414	400	3
Black	1,826	23.8	234	212	3	17	4	16	29	52	67	112	1
Ashland—Total	261	17.7	24	36	1	2	0	1	12	4	18	39	0
White	246	17.2	23	33	1	2	0	1	12	4	17	36	0
Black	15	30.6	1	3	0	0	0	0	0	0	1	3	0
Newport—Total	327	11.1	23	35	0	2	0	0	1	8	27	12	0
White	305	10.7	22	30	0	2	0	0	1	8	27	10	0
Black	22	25.4	1	5	0	0	0	0	0	0	0	2	0
Hopkinsville—Total ...	198	20.4	36	14	0	1	0	3	2	11	15	9	0
White	94	15.5	9	4	0	0	0	1	1	5	8	6	0
Black	104	28.4	27	10	0	1	0	2	1	6	7	3	0
Owensboro—Total	367	21.0	50	28	5	2	0	5	10	21	17	22	0
White	296	20.2	36	24	3	0	0	5	8	16	16	15	0
Black	71	26.8	14	4	2	2	0	0	2	5	1	7	0
Lexington—Total	923	22.2	99	75	2	6	2	8	11	20	48	66	0
White	605	20.8	65	45	1	3	1	3	8	14	35	47	0
Black	318	25.5	34	30	1	3	1	5	3	6	13	19	0
Frankfort—Total	169	17.3	27	9	1	1	3	1	7	9	10	6	0
White	118	15.6	17	8	1	0	3	0	5	5	9	5	0
Black	51	22.7	10	1	0	1	0	1	2	4	1	1	0
Henderson—Total	163	13.4	17	9	1	2	1	1	10	5	12	17	0
White	98	10.6	4	8	1	2	1	0	4	4	8	12	0
Black	65	21.8	13	1	0	0	0	1	6	1	4	5	0
Louisville—Total	3,549	13.8	304	378	2	35	19	19	62	67	249	257	0
White	2,594	12.1	208	245	1	26	17	15	49	43	215	199	0
Black	955	22.1	96	133	1	9	2	4	13	24	34	58	0
Covington—Total	796	13.9	65	79	0	8	5	2	10	23	59	48	0
White	734	13.6	56	70	0	7	4	1	10	22	58	42	0
Black	62	20.3	9	9	0	1	1	1	0	1	1	6	0
Paducah—Total	382	15.4	44	35	1	6	0	7	9	12	16	21	3
White	272	14.2	27	22	1	6	0	6	7	10	13	18	2
Black	110	19.5	17	13	0	0	0	1	2	2	3	3	1
Bowling Green—Total..	178	18.4	23	11	0	0	2	8	3	13	10	15	1
White	125	16.5	11	8	0	0	2	7	3	10	8	10	1
Black	53	20.5	12	3	0	0	0	1	0	3	2	5	0

TABLE 3—SHOWING PREVENTABLE SICKNESS AND DEATHS.

	Cases		Deaths	
	1921	1922	1921	1922
Tuberculosis (all forms)	18,810	19,020	3,135	3,170
Pneumonia	24,480	30,396	2,040	2,533
Infantile diarrhoea	23,200	16,640	1,160	832
Typhoid fever	9,510	6,870	634	458
Diarrhoea—dysentery (over 2 years)	15,250	12,125	610	485
Diphtheria—croup	6,520	4,980	652	498
Measles	7,450	4,800	159	96
Whooping cough	13,300	6,200	266	124
Cancer			1,299	1,324
Violence			1,799	1,803
Total deaths			26,226	26,483

State Institutions.

Central State Hospital (Lakeland).
 Eastern State Hospital (Lexington).
 Kentucky House of Reform (Greendale).
 Kentucky State School for Girls (Greendale).
 State Institution for the Feeble-minded (Frankfort).
 State Penitentiary (Eddyville).
 State Reformatory (Frankfort).
 Western State Hospital (Hopkinsville).
 Kentucky School for the Deaf (Danville).
 Kentucky Institution for the Blind (Louisville).
 Kentucky Children's Home Society (Inc.) (Louisville).
 Kentucky Confederate Home (Pewee Valley).
 State Tuberculosis Sanatorium (Hazelwood).

Ratio Existing Between Cases and Deaths.

Tuberculosis1 death out of each 6 cases.
 Pneumonia1 death out of each 12 cases.
 Whooping cough1 death out of each 50 cases.
 Diphtheria—croup1 death out of each 10 cases.
 Scarlet fever1 death out of each 40 cases.
 Measles1 death out of each 50 cases.
 Typhoid fever1 death out of each 15 cases.
 Diarrhoea (infants)1 death out of each 20 cases.
 Diarrhoea (adults)1 death out of each 25 cases.

Prof. Fisher's estimated cost per case including time\$ 94.00

Prof. Fisher's estimated value of each life (deaths) 1,700.00

Table 4—DEATH RATE PER 100,000 POPULATION FOR EACH COUNTY

	Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases	Tuberculosis (All Forms)	Typhoid Fever	Preventable Diseases
	1921	1921	1921	1922	1922	1922
State of Kentucky	129.2	28.7	382.2	131.1	18.9	402.9
Adair	138.5	69.5	404.0	109.8	40.4	323.9
Allen	131.2	11.9	404.0	184.8	23.8	448.0
Anderson	80.5	10.0	169.9	200.1	50.1	540.9
Ballard	133.0	0.0	308.0	141.1	16.6	498.1
Barren	162.5	35.6	472.0	142.0	19.7	473.2
Bath	158.5	33.3	533.3	183.4	34.0	475.1
Bell	88.4	26.4	371.0	100.0	8.8	308.9
Boone	83.7	0.0	208.5	104.4	10.4	282.0
Bourbon	151.7	21.6	451.5	179.1	16.2	510.3

COUNTIES	Tubercu- losis (All Forms)	Typhoid Fever	Prevent- able Diseases	Tubercu- losis (All Forms)	Typhoid Fever	Prevent- able Diseases
Boyd	126.3	23.8	532.0	111.5	3.1	402.9
Boyle	160.4	13.4	564.0	153.3	20.0	413.3
Bracken	147.0	19.6	372.5	176.3	0.0	293.8
Breathitt	43.7	4.3	174.6	82.4	19.4	213.3
Breckinridge	96.5	40.7	330.5	81.4	10.0	396.7
Bullitt	85.8	10.7	333.5	139.3	0.0	536.0
Butler	65.8	13.2	171.2	125.0	13.2	309.2
Caldwell	229.0	28.6	457.0	143.1	21.4	422.1
Calloway	115.0	24.0	341.5	120.1	24.0	380.1
Campbell	121.0	7.9	311.5	90.5	0.0	281.2
Carlisle	133.5	85.1	595.2	72.8	24.1	352.3
Carroll	83.8	0.0	371.0	131.8	0.0	407.3
Carter	116.0	66.7	639.0	133.5	44.0	418.2
Casey	116.4	34.8	326.0	87.1	17.4	238.1
Christian	249.0	50.2	543.0	287.0	27.8	641.0
Clark	166.8	57.4	522.0	117.3	22.3	407.8
Clay	30.2	15.1	146.5	50.5	0.0	166.7
Clinton	69.3	34.7	221.5	81.3	34.9	349.2
Crittenden	175.4	7.6	230.8	137.1	22.8	396.1
Cumberland	46.9	37.7	363.5	93.9	0.0	244.1
Daviess	137.8	19.7	426.0	193.9	31.3	542.5
Edmonson	109.4	82.4	382.4	165.2	18.3	367.1
Elliott	112.9	0.0	292.4	56.2	0.0	213.8
Estill	77.0	57.7	320.5	89.9	32.1	391.8
Fayette	226.4	31.5	576.0	204.8	12.8	50.2
Fleming	141.0	70.5	429.8	211.3	19.2	550.8
Floyd	36.5	29.1	182.5	43.7	10.9	175.0
Franklin	211.0	36.3	447.0	196.3	5.1	511.4
Fulton	171.5	19.8	631.0	111.2	26.3	467.1
Gallatin	193.1	0.0	278.4	171.5	0.0	364.5
Garrard	167.9	23.9	368.8	119.9	0.0	271.9
Grant	173.1	47.1	490.0	182.0	0.0	402.4
Graves	197.2	18.5	502.0	237.0	43.0	575.4
Grayson	105.0	30.0	330.0	85.3	30.1	333.2
Green	149.0	35.1	361.5	70.2	26.3	193.1
Greenup	119.3	34.9	490.7	119.6	9.1	363.8
Hancock	72.0	43.4	230.9	129.5	14.4	388.7
Hardin	57.6	8.2	172.8	119.4	20.5	296.4
Harlan	47.6	34.9	547.0	66.5	60.2	478.6
Harrison	196.0	38.0	507.0	177.2	19.8	455.8
Hart	124.1	21.7	286.5	80.8	70.1	323.9
Henderson	166.9	28.6	493.2	159.0	7.2	470.8
Henry	141.8	7.5	350.9	149.1	0.0	350.4
Hickman	78.5	0.0	245.8	156.1	9.7	449.9
Hopkins	135.0	32.2	443.9	158.2	46.8	533.2
Jackson	59.8	8.6	222.0	77.0	8.6	410.7
Jefferson	171.4	8.0	408.0	151.5	6.6	438.9
Jessamine	188.5	24.3	368.5	147.4	16.4	352.3
Johnson	91.7	20.2	326.3	112.1	35.7	372.0
Kenton	137.6	10.9	370.8	123.8	2.7	404.3
Knott	69.0	34.5	379.5	94.3	42.9	396.4
Knox	61.8	57.9	495.1	86.8	12.4	351.6
Larue	160.0	30.0	263.1	189.9	9.9	389.8
Laurel	70.6	15.1	272.5	116.0	20.1	423.9
Lawrence	119.0	34.0	108.2	136.0	22.6	413.3
Lee	25.1	8.4	108.2	33.5	16.8	142.6
Leslie	59.3	0.0	188.1	89.1	29.7	297.0
Letcher	32.6	16.3	183.5	24.5	16.3	196.2
Lewis	126.3	32.3	467.6	138.9	0.0	353.7
Lincoln	109.0	42.4	363.8	188.0	12.1	427.4

COUNTIES	Tubercu- losis (All forms) 1921	Typhoid Fever 1921	Prevent- able Diseases 1921	Tubercu- losis (All forms) 1922	Typhoid Fever 1922	Prevent- able Diseases 1922
Livingston	102.9	33.8	349.8	164.4	0.0	390.4
Logan	157.0	21.2	390.0	148.0	38.0	406.2
Lyon	79.6	51.3	371.8	113.7	22.7	204.6
McCracken	188.2	18.8	471.0	153.0	24.1	542.0
McCreary	17.1	8.5	171.4	8.5	0.0	222.6
McLean	111.9	15.9	447.2	183.9	23.9	535.9
Madison	190.0	26.6	433.8	159.7	15.2	403.2
Magoffin	43.2	50.5	367.9	21.6	28.8	187.6
Marion	124.5	25.8	481.0	128.8	6.4	470.6
Marshall	105.4	31.3	355.9	157.8	19.7	466.8
Martin	52.4	26.1	221.9	52.2	39.1	496.4
Mason	209.1	45.0	561.0	135.1	16.8	394.1
Meade	127.1	74.2	445.0	116.5	31.6	444.8
Menifee	86.6	51.8	311.9	190.3	34.6	397.9
Mercer	121.5	21.6	344.5	121.6	48.6	425.8
Metcalfe	39.6	19.8	267.9	158.8	79.3	426.7
Monroe	141.1	21.5	367.8	77.3	14.6	288.4
Montgomery	123.0	24.6	221.0	187.8	16.3	514.4
Morgan	97.0	31.5	332.5	121.0	12.1	320.8
Muhlenberg	149.8	29.9	524.8	131.8	38.6	518.7
Nelson	110.5	6.2	334.8	173.5	0.0	477.1
Nicholas	182.2	31.8	402.5	121.3	11.0	424.5
Ohio	120.6	49.1	355.0	71.7	30.2	336.1
Oldham	91.0	13.0	312.1	156.0	0.0	468.1
Owen	167.2	7.9	334.5	143.3	15.9	342.5
Owsley	38.3	12.7	217.4	89.9	0.0	230.1
Pendleton	174.0	8.5	366.9	145.0	0.0	426.6
Perry	46.2	34.3	343.0	73.3	23.0	410.8
Pike	76.8	44.5	382.5	78.8	34.3	381.9
Powell	28.8	14.9	133.5	103.7	44.5	370.6
Pulaski	108.9	17.7	251.6	70.5	8.8	387.6
Robertson	103.4	25.9	310.2	103.3	51.6	335.8
Rockcastle	71.5	38.9	269.3	64.9	0.0	272.5
Rowan	126.4	42.3	570.2	221.8	42.2	612.8
Russell	50.6	34.8	177.5	109.6	16.8	253.0
Scott	110.0	13.1	326.2	156.6	6.5	489.6
Shelby	102.8	27.0	378.0	59.3	10.7	372.3
Simpson	151.9	17.8	456.0	233.3	35.8	627.8
Spencer	102.9	12.7	354.7	154.1	0.0	526.6
Taylor	138.9	49.0	392.0	81.7	8.1	310.5
Todd	271.0	51.0	592.0	95.5	12.7	414.1
Trigg	176.0	56.4	329.0	154.8	21.1	211.1
Trimble	66.5	0.0	316.0	133.0	16.6	432.5
Union	183.2	38.9	416.5	88.6	49.8	426.7
Warren	206.7	42.1	531.0	258.8	76.7	554.2
Washington	107.1	13.5	290.0	33.7	0.0	318.1
Wayne	86.5	43.3	259.0	104.8	24.6	302.3
Webster	125.0	77.0	446.7	120.4	38.5	582.4
Whitley	111.8	25.2	476.0	86.5	18.0	356.8
Wolfe	45.7	79.8	296.0	68.3	0.0	79.6
Woodford	221.0	33.9	542.0	195.1	33.9	586.2

TABLE 5—TOTAL DEATHS REPORTED AND RATE PER 1,000 POPULATION FOR FIVE YEARS.

1918-1922

	1918		1919		1920		1921		1922	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Kentucky	39,449	16.4	30,900	12.8	28,823	12.0	26,266	10.9	26,483	11.0
COUNTIES										
Adair	271	15.2	218	12.2	154	8.9	171	9.8	157	9.1
Allen	229	14.8	205	13.6	190	11.3	168	10.0	175	10.4
Anderson	164	16.0	159	15.5	118	11.8	88	8.6	109	10.9
Ballard	147	10.3	108	7.5	116	9.7	103	8.5	135	11.0
Barren	490	18.1	338	12.5	326	12.8	297	11.7	277	10.9
Bath	179	12.8	191	13.5	160	13.3	148	12.4	136	11.3
Bell	496	12.6	306	7.8	299	8.9	352	10.4	286	8.4
Boone	105	11.1	102	10.8	129	13.5	86	8.9	109	11.3
Bourbon	289	16.5	314	17.9	295	15.9	256	13.9	288	15.6
Boyd	595	21.2	376	13.7	411	14.6	394	13.4	356	12.1
Boyle	302	19.6	226	14.0	229	15.3	233	15.4	195	13.0
Bracken	129	12.5	110	10.6	134	13.2	108	10.5	88	8.6
Breathitt	274	13.5	137	6.8	127	6.3	115	5.7	96	4.6
Breckinridge	271	12.2	202	9.4	227	11.6	188	9.6	201	10.2
Bullitt	150	13.7	101	10.6	122	13.0	100	10.7	134	14.3
Butler	143	9.1	122	7.7	122	8.1	85	5.7	97	6.3
Caldwell	170	12.1	170	12.1	175	12.5	158	11.3	138	9.8
Calloway	238	10.8	206	9.4	190	9.5	186	6.1	176	8.4
Campbell	1,017	15.9	719	11.1	718	11.1	614	9.9	716	11.4
Carlisle	135	14.4	83	9.1	89	11.0	86	10.5	83	10.0
Carroll	120	14.7	118	14.5	122	14.6	106	12.7	109	11.8
Carter	499	21.3	305	13.0	256	11.3	272	12.1	222	9.8
Casey	167	10.5	127	8.1	137	8.0	131	7.6	118	6.8
Christian	880	22.2	771	19.4	654	18.3	610	17.0	627	17.4
Clark	332	17.4	301	15.8	318	18.3	257	14.8	238	13.2
Clay	203	10.2	152	7.2	118	6.0	108	5.5	103	5.2
Clinton	47	5.6	46	5.4	63	7.3	54	6.3	53	6.1
Crittenden	171	12.8	134	10.0	101	7.6	120	9.3	117	8.8
Cumberland	107	10.1	72	6.7	77	7.2	64	6.1	71	6.6
Daviess	813	18.9	605	14.0	581	14.2	471	11.0	568	13.9
Edmonson	133	12.3	124	11.6	91	8.4	86	7.9	88	7.9
Elliott	128	13.0	110	11.2	87	9.9	77	8.7	60	6.7
Estill	179	14.0	100	7.8	99	6.3	116	7.4	117	7.4
Fayette	1,394	26.6	1,142	21.6	1,030	18.8	1,025	18.7	1,054	19.2
Fleming	231	14.4	216	13.4	196	12.6	178	11.4	210	13.4
Floyd	279	13.2	96	4.5	132	4.9	115	4.2	110	4.0
Franklin	434	20.3	280	13.1	265	13.6	251	12.9	266	13.7
Fulton	302	18.6	181	11.1	215	14.1	210	14.4	168	10.9
Gallatin	52	11.1	42	8.9	41	8.7	28	3.4	51	10.5
Garrard	185	15.6	161	13.5	124	9.9	123	9.8	121	9.6
Grant	131	12.4	151	14.3	124	11.9	120	11.5	112	10.5
Graves	482	14.2	380	11.2	414	12.7	403	12.4	411	12.6
Grayson	246	12.3	225	11.2	174	8.7	149	7.4	130	6.5
Green	133	11.2	106	8.9	86	7.6	77	6.7	66	5.8
Greenup	361	17.2	251	11.9	242	11.9	211	10.5	188	9.3
Hancock	83	9.8	89	10.5	96	13.9	67	9.7	80	11.5
Hardin	398	17.5	300	13.2	238	9.8	179	7.4	169	6.9

TOTAL DEATHS REPORTED AND RATES PER 1,000 POPULATION FOR FIVE YEARS.

1918-1922—Continued.

COUNTIES	1918		1919		1920		1921		1922	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Harlan	520	45.5	334	29.9	441	14.0	425	13.5	377	11.9
Harrison	232	13.7	208	12.3	223	14.1	197	12.4	199	12.6
Hart	240	13.2	204	11.2	148	8.0	155	8.4	149	8.0
Henderson	565	19.2	402	13.7	387	14.0	340	12.3	361	13.3
Henry	192	13.9	208	15.2	180	14.9	154	11.5	150	11.1
Hickman	145	12.3	118	10.0	142	13.9	79	7.8	113	11.0
Hopkins	572	15.4	447	12.0	457	13.5	392	11.5	456	13.3
Jackson	99	9.1	75	6.9	65	5.6	62	5.4	59	5.0
Jefferson	6,089	25.1	4,870	16.9	4,331	15.1	4,040	14.1	4,171	14.5
Jessamine	232	17.6	212	16.0	152	12.4	134	11.0	119	9.7
Johnson	246	11.9	201	9.7	201	10.2	162	8.3	179	9.1
Kenton	1,402	18.4	918	13.4	1,056	14.4	912	12.4	1,024	13.9
Knott	131	10.5	114	9.1	92	7.9	87	7.4	95	8.1
Knox	491	18.8	340	13.0	284	11.7	294	12.1	222	9.1
Larue	152	14.2	113	10.4	132	13.2	78	7.8	90	8.9
Laurel	299	13.7	154	7.0	164	8.3	154	7.8	163	8.2
Lawrence	239	11.7	169	8.2	176	10.0	195	11.0	175	9.9
Lee	100	9.3	84	7.8	62	5.2	31	2.6	48	4.0
Leslie	146	13.5	79	7.3	85	8.4	67	6.7	78	7.7
Letcher	266	22.5	172	14.5	164	6.7	115	7.9	159	6.4
Lewis	247	14.6	234	13.8	223	14.1	174	11.0	147	9.2
Lincoln	301	16.2	255	13.7	266	16.1	211	12.8	194	11.7
Livingston	138	12.9	115	10.8	103	10.6	91	9.4	83	8.5
Logan	359	14.4	254	10.1	273	11.6	246	10.4	237	10.0
Lyon	128	13.4	92	9.6	69	7.9	62	7.1	61	6.9
McCracken	823	20.4	533	14.4	509	13.7	512	13.7	507	13.6
McCreary	167	20.8	104	13.0	100	8.6	71	6.1	55	4.6
McLean	211	15.2	148	10.6	162	12.9	133	10.7	148	11.8
Madison	379	13.5	335	11.9	322	12.8	300	11.4	280	10.6
Magoffin	155	10.3	96	6.3	87	6.3	106	7.7	72	5.1
Marion	300	18.3	296	18.0	208	13.4	187	11.9	196	12.6
Marshall	178	10.2	133	7.6	160	10.5	118	5.0	134	8.8
Martin	98	11.5	39	4.6	51	6.7	39	5.0	70	9.1
Mason	259	13.9	278	14.9	220	12.4	256	14.4	244	13.7
Meade	153	15.6	119	12.1	124	13.2	101	10.6	104	11.0
Menifee	58	9.4	66	10.7	49	8.5	42	7.2	57	9.8
Mercer	222	15.8	193	13.7	168	11.4	141	9.5	157	10.6
Metcalfe	109	10.1	123	11.3	100	9.9	74	7.4	113	11.2
Monroe	189	13.3	200	14.1	150	10.6	124	8.8	125	8.8
Montgomery	218	16.9	163	12.9	147	12.0	120	9.8	137	11.1
Morgan	235	12.3	191	9.4	257	15.6	147	8.9	113	6.8
Muhlenberg	561	15.9	364	10.3	353	10.7	379	11.3	386	11.6
Nelson	290	17.0	259	15.2	239	14.8	182	11.3	201	12.4
Nicholas	127	11.9	168	15.9	109	11.0	124	12.5	129	13.0
Ohio	403	14.4	249	8.9	269	10.2	233	8.8	225	8.5
Oldham	113	15.3	114	15.4	111	14.4	88	11.4	109	12.8
Owen	122	8.8	172	12.1	202	16.0	115	9.2	131	10.0
Owsley	89	10.0	100	11.2	85	10.9	38	4.7	49	5.9
Pendleton	172	14.3	124	10.3	159	13.6	126	10.8	129	11.0
Perry	369	26.8	218	15.8	272	10.5	261	10.5	262	10.0
Pike	785	20.0	454	11.5	430	8.7	383	7.7	439	8.8

TOTAL DEATHS REPORTED AND RATES PER 1,000 POPULATION FOR FIVE YEARS.
1918-1922—Continued.

COUNTIES	1918		1919		1920		1921		1922	
	Total	Rate	Total	Rate	Rate	Total	Total	Rate	Total	Rate
Powell	48	7.7	50	7.9	64	9.6	28	4.2	44	6.5
Pulaski	444	11.1	350	8.7	325	9.6	269	7.6	258	7.5
Robertson	57	13.8	51	12.3	31	7.9	35	9.0	34	9.8
Rockcastle	234	14.5	111	6.8	115	7.6	122	7.9	88	5.0
Rowan	178	17.1	123	11.8	105	11.0	110	11.6	106	11.1
Russell	105	8.8	94	7.9	76	6.4	63	5.3	70	6.7
Scott	288	16.9	214	12.6	183	11.9	154	10.1	204	13.3
Shelby	274	15.2	256	14.1	245	13.3	229	12.4	227	12.2
Simpson	151	13.2	145	12.6	149	13.4	123	11.2	135	12.1
Spencer	115	14.9	114	14.9	71	9.1	71	9.2	76	9.6
Taylor	135	10.6	131	10.3	99	8.1	139	11.4	120	9.8
Todd	280	16.9	264	16.0	213	13.6	199	12.7	191	12.1
Trigg	217	14.5	186	12.4	177	12.5	118	8.3	119	8.4
Trimble	48	7.4	29	4.4	53	8.8	37	6.2	51	8.4
Union	343	17.3	170	8.5	184	10.2	196	10.9	188	14.2
Warren	538	17.3	498	15.7	408	13.3	403	13.3	429	14.2
Washington	178	12.7	122	8.7	99	6.7	110	7.5	95	6.7
Wayne	129	6.5	126	6.3	110	6.8	105	6.5	113	6.9
Webster	319	14.7	249	11.5	246	11.8	251	12.1	241	11.2
Whitley	399	10.6	292	7.7	280	10.1	410	14.7	250	9.0
Wolfe	124	11.5	104	9.6	84	9.6	54	6.3	23	2.6
Woodford	237	18.9	181	14.3	165	14.0	161	13.6	161	13.8

TABLE 6.

Infant Mortality Rate, by Months, 1922.
 Compared With Four Previous Years.

MONTH	1922*		1921*		1920*		1919*		1918*	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
January	*394	68	382	67	402	70	527	103	497	96
February	362	66	333	58	479	83	519	104	496	103
March	442	80	354	54	520	87	585	110	495	95
April	305	63	279	46	376	71	372	74	477	95
May	293	55	335	56	254	47	319	64	335	64
June	346	70	481	86	238	46	367	89	343	68
July	346	66	449	82	309	59	405	99	891	171
August	304	56	340	60	374	69	289	71	479	95
September	280	53	282	52	424	77	257	54	397	79
October	389	76	293	53	409	84	344	67	718	138
November	340	77	287	55	354	71	308	64	600	119
December	324	89	208	39	293	68	286	58	449	86
Total for year.	*4,025	64	4,023	59	4,432	70	4,578	80	6,177	101

*Totals do not include delayed reports.

TABLE 7—SEASONABLE PREVALENCE OF DANGEROUS COMMUNICABLE DISEASES.

Table will show in advance the time of year when any disease may be expected to increase or decrease in prevalence.

1922	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Pneumonia—												
Estimated No. of cases....	5,124	5,004	4,896	2,340	1,416	636	756	804	876	1,704	2,984	3,330
Deaths	427	417	408	195	118	53	63	67	73	142	257	275
Tuberculosis—												
Estimated No. of cases....	1,818	1,692	1,350	1,866	1,668	1,698	1,506	1,176	1,128	1,344	1,248	888
Deaths	303	282	225	311	278	283	251	196	188	224	208	148
Typhoid Fever—												
Estimated No. of cases....	480	210	135	195	270	420	1,080	1,275	675	750	675	450
Deaths	32	14	9	13	18	28	72	85	45	50	45	30
Diphtheria—												
Estimated No. of cases....	590	280	280	160	200	90	100	210	650	910	730	540
Deaths	59	28	28	16	20	9	10	21	65	91	73	54
Whooping Cough—												
Estimated No. of cases....	450	550	300	500	650	550	700	350	300	500	700	300
Deaths	9	11	6	10	13	11	14	7	6	10	14	6
Measles—												
Estimated No. of cases....	400	700	750	450	650	400	150	150	100	50	450	450
Deaths	8	14	15	9	13	8	3	3	2	1	9	9
Diarrhoea (under 2 yrs.)—												
Estimated No. of cases....	320	320	440	460	960	280	3,780	2,380	1,720	1,740	860	480
Deaths	16	16	22	23	48	140	189	119	86	87	43	24
Dysentery (over 2 yrs.)—												
Estimated No. of cases....	825	375	825	550	775	1,775	1,900	1,425	1,225	1,000	850	400
Deaths	33	15	33	22	31	71	76	59	49	40	34	16

Totals do not include delayed Reports.

TABLE 8.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate per 1,000 Living Births.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
State of Ky. 1921	2,416,087	26,226	10.9	62.2	4165	2136	7192	2765	370	2040	266	652
1922	2,416,630	26,483	11.0	64.8	4290	1826	8127	2807	363	2533	124	498
Adair 1921	17,289	171	9.8	77.2	40	11	43	20	4	15	0	6
1922	17,289	157	9.1	51.8	25	18	43	18	1	12	0	1
Allen 1921	16,761	168	10.0	45.7	20	14	54	19	3	12	0	5
1922	16,761	175	10.4	71.6	31	13	66	29	3	19	0	2
Anderson 1921	9,982	88	8.6	42.9	11	9	33	7	1	7	1	5
1922	9,982	109	10.9	75.4	20	3	34	18	2	9	0	4
Ballard 1921	12,045	103	8.5	41.3	12	6	35	13	3	8	1	2
1922	12,045	133	11.0	74.7	22	12	34	16	1	23	0	3
Barren 1921	25,356	297	11.7	57.9	37	37	99	38	3	20	4	7
1922	25,356	277	10.9	58.6	36	15	90	45	1	37	0	1
Bath 1921	11,996	148	12.4	48.1	17	17	38	16	3	15	0	7
1922	11,996	136	11.3	60.8	21	10	44	18	4	22	1	4
Bell 1921	33,988	352	10.4	71.9	83	62	31	28	2	27	5	15
1922	33,988	286	8.4	69.1	66	24	43	32	2	23	2	6
Boone 1921	9,572	86	8.9	81.8	14	6	35	7	1	4	0	2
1922	9,572	109	11.3	35.3	6	3	59	9	1	7	0	0
Bourbon 1921	18,418	256	13.9	54.6	20	27	90	23	5	22	3	0
1922	18,418	288	15.6	155.5	35	17	88	30	3	30	1	5
Boyd 1921	29,281	394	13.4	95.3	97	46	81	30	7	29	3	4
1922	29,281	356	12.1	66.4	60	30	93	27	9	45	1	2
Boyle 1921	14,933	233	15.4	77.9	30	16	65	23	1	25	0	5
1922	14,933	195	13.0	75.8	27	10	75	22	1	16	3	4
Bracken 1921	10,210	108	10.5	60.4	15	6	36	14	1	8	2	1
1922	10,210	88	8.6	41.0	9	4	38	17	1	4	0	0
Breathitt 1921	20,614	115	5.7	32.3	22	14	13	8	1	9	2	3
1922	20,614	96	4.6	33.8	20	11	7	15	2	5	0	2
Breckinridge 1921	19,652	188	9.6	63.4	37	20	60	17	2	11	4	7
1922	19,652	201	10.2	60.7	33	20	72	15	1	17	2	6
Bullitt 1921	9,328	100	10.7	40.4	11	12	40	7	1	6	0	11
1922	9,328	134	14.3	86.0	24	15	51	11	2	10	0	6
Butler 1921	15,197	85	5.7	43.0	16	7	30	10	0	3	1	1
1922	15,197	97	6.3	52.1	16	10	31	18	1	9	0	1
Caldwell 1921	13,975	158	11.3	61.5	20	14	57	28	4	11	0	3
1922	13,975	138	9.8	48.9	17	8	43	16	4	14	0	2
Calloway 1921	20,802	186	8.9	57.1	30	18	64	21	3	27	2	8
1922	20,802	176	8.5	57.6	26	8	65	21	4	9	1	2
Campbell 1921	61,868	614	9.9	65.8	80	31	206	68	7	56	10	9
1922	61,868	716	11.4	68.0	80	21	244	46	10	69	0	4
Carlisle 1921	8,231	86	10.5	50.4	12	6	31	9	2	13	2	4
1922	8,231	83	10.0	82.9	18	5	28	5	1	9	0	2
Carroll 1921	8,346	106	12.7	67.0	13	7	44	7	0	8	1	0
1922	8,346	109	13.0	63.9	11	4	49	10	1	8	0	4
Carter 1921	22,474	272	12.1	64.0	61	55	54	20	6	20	4	9
1922	22,474	222	9.8	84.1	58	26	49	25	4	11	1	8
Casey 1921	17,213	131	7.6	33.7	18	22	37	19	1	11	1	9
1922	17,213	118	6.8	41.4	23	5	36	14	1	12	1	10

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
State of Ky. ....1921	56	328	159	634	1,160	610	286	177	1,299	1,799	40
1922	33	340	96	458	832	485	1,098	143	1,324	1,803	
Adair .....1921	0	4	0	12	6	1	2	2	9	2	43
1922	2	2	1	7	4	3	7	2	7	6	35
Allen .....1921	1	5	1	2	7	7	5	1	10	8	44
1922	1	1	1	4	8	3	6	0	9	1	44
Anderson .....1921	0	0	0	1	2	0	0	0	4	6	31
1922	0	3	0	5	2	2	8	0	6	5	52
Ballard .....1921	0	5	0	0	2	1	1	2	2	2	38
1922	0	1	0	2	5	3	2	1	3	7	46
Barren .....1921	3	3	3	9	19	7	5	3	10	13	44
1922	0	3	0	5	10	1	24	1	11	6	45
Bath .....1921	0	0	2	4	10	8	0	1	9	4	48
1922	0	1	0	4	2	0	2	0	3	5	43
Bell .....1921	1	6	12	9	20	3	6	3	13	51	46
1922	0	4	2	3	10	4	12	3	9	43	34
Boone .....1921	0	0	0	0	4	3	1	0	8	1	29
1922	0	1	0	1	1	1	4	2	8	4	27
Bourbon .....1921	0	3	0	4	16	2	6	1	14	8	36
1922	1	2	1	3	8	6	10	1	15	11	42
Boyd .....1921	0	3	21	7	42	4	1	4	19	29	44
1922	0	3	0	1	15	4	6	1	21	51	39
Boyle .....1921	1	3	0	2	11	2	3	0	14	15	36
1922	0	1	0	3	4	2	6	0	12	9	35
Bracken .....1921	0	3	0	2	4	3	2	0	3	5	38
1922	1	0	0	0	2	0	4	0	5	2	37
Breathitt .....1921	0	3	0	2	4	3	2	0	3	5	34
1922	0	2	0	4	7	2	6	1	1	12	50
Breckinridge .....1921	0	2	0	8	7	6	1	1	5	10	42
1922	0	5	1	2	9	8	9	1	9	11	42
Bullitt .....1921	0	1	1	1	2	2	1	0	7	7	38
1922	0	2	1	0	4	2	9	1	3	9	40
Butler .....1921	0	1	0	2	4	2	2	0	4	7	34
1922	0	4	0	2	5	0	6	0	3	6	51
Caldwell .....1921	1	2	1	4	4	4	1	1	8	6	44
1922	0	3	0	3	6	3	10	1	9	17	49
Calloway .....1921	0	2	0	5	5	6	2	0	9	11	42
1922	1	3	0	5	3	5	18	1	18	6	49
Campbell .....1921	2	1	1	5	15	20	7	4	53	36	38
1922	1	6	1	0	4	8	14	1	58	42	28
Carlisle .....1921	0	2	0	7	2	0	2	0	4	4	54
1922	0	3	0	2	3	0	4	1	4	4	38
Carroll .....1921	1	3	0	0	2	6	1	1	8	4	32
1922	1	1	0	0	3	2	7	0	4	0	32
Carter .....1921	0	12	5	15	30	16	5	3	12	8	55
1922	0	2	0	11	17	4	12	1	9	14	45
Casey .....1921	0	2	0	6	2	5	0	1	8	6	47
1922	0	3	0	3	4	3	5	0	4	5	38

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922		Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Christian	1921	35,883	610	17.0	83.0	66	32	169	77	12	27	8	4
	1922	35,883	627	17.4	76.2	60	28	176	99	14	35	1	4
Clark	1921	17,434	257	14.8	80.0	38	25	77	26	3	19	0	5
	1922	17,901	238	13.2	93.8	43	13	71	17	4	24	2	3
Clay	1921	19,795	108	5.5	42.5	28	12	21	6	0	7	0	4
	1922	19,795	103	5.2	51.2	25	18	26	9	1	12	2	4
Clinton	1921	8,589	54	6.3	29.4	7	7	15	5	1	6	0	3
	1922	8,589	53	6.1	54.7	11	3	12	7	0	9	0	2
Crittenden	1921	13,125	120	9.3	66.4	23	10	41	22	1	6	2	6
	1922	13,125	117	8.8	80.5	21	4	42	17	1	10	1	0
Cumberland	1921	10,648	64	6.1	38.0	10	5	17	5	0	5	2	3
	1922	10,648	71	6.6	55.7	15	6	16	10	0	5	0	2
Daviess	1921	40,733	471	11.0	56.3	65	22	133	52	4	39	1	19
	1922	40,733	568	13.9	76.2	81	36	188	71	8	50	9	2
Edmonson	1921	10,894	86	7.9	39.2	13	6	24	12	0	6	2	4
	1922	10,894	86	7.9	81.1	25	6	20	15	3	9	0	6
Elliott	1921	8,887	77	8.7	46.3	14	11	7	10	0	3	0	6
	1922	8,887	60	6.7	83.5	27	3	10	4	1	2	0	0
Estill	1921	15,569	116	7.4	40.9	24	11	15	10	2	11	2	1
	1922	15,569	117	7.4	39.5	22	10	26	12	2	16	1	4
Fayette	1921	54,664	1,025	18.7	89.6	89	43	286	108	16	95	2	5
	1922	54,664	1,054	19.2	99.2	93	32	304	103	9	89	2	7
Fleming	1921	15,614	178	11.4	51.6	20	12	72	21	1	12	3	0
	1922	15,614	210	13.4	94.6	32	13	84	31	2	17	1	8
Floyd	1921	27,427	115	4.2	36.9	34	18	15	7	3	10	0	1
	1922	27,427	110	4.0	50.0	39	13	15	12	0	11	0	2
Franklin	1921	19,357	251	12.9	44.1	21	6	91	39	2	28	0	1
	1922	19,357	266	13.7	86.5	34	13	95	34	4	22	1	2
Fulton	1921	15,197	210	14.4	116.0	37	10	42	25	1	7	4	2
	1922	15,197	168	10.9	104.3	24	21	45	13	3	18	0	0
Gallatin	1921	4,664	28	3.4	18.5	2	1	4	8	1	2	0	0
	1922	4,664	49	10.5	42.5	4	3	21	8	0	4	0	0
Garrard	1921	12,503	123	9.8	68.5	24	7	37	19	2	9	0	1
	1922	12,503	121	9.6	56.0	20	10	42	14	1	16	0	0
Grant	1921	10,435	120	11.5	96.8	25	3	46	16	2	8	3	1
	1922	10,435	110	10.5	53.9	13	8	48	14	5	9	2	1
Graves	1921	32,483	403	12.4	75.9	69	33	113	59	5	40	6	10
	1922	32,483	411	12.6	73.1	59	32	122	66	11	44	1	4
Grayson	1921	19,927	149	7.4	45.6	26	13	43	18	3	11	0	11
	1922	19,927	130	6.5	48.7	25	11	34	16	1	14	3	4
Green	1921	11,391	77	6.7	69.6	20	6	24	14	3	3	0	2
	1922	11,391	66	5.8	44.0	13	3	25	5	3	6	0	0
Greenup	1921	20,062	211	10.5	71.0	56	33	48	22	2	12	6	7
	1922	20,062	188	9.3	58.6	41	17	56	19	5	14	0	3
Hancock	1921	6,945	67	9.7	44.9	8	5	27	4	1	1	0	2
	1922	6,945	80	11.5	99.4	17	2	32	8	1	6	1	1
Hardin	1921	24,287	179	7.4	39.0	21	17	56	13	1	15	1	12
	1922	24,287	169	6.9	37.1	17	16	63	25	4	22	1	5
Harlan	1921	31,546	425	13.5	91.8	141	60	19	13	2	36	4	21
	1922	31,546	377	11.9	75.9	111	49	30	19	2	39	13	9

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Christian .....1921	0	2	0	18	17	8	6	5	29	36	35
.....1922	1	4	0	10	7	17	40	4	30	32	38
Clark .....1921	0	4	0	10	13	3	3	4	14	15	38
.....1922	0	4	0	4	7	2	7	1	18	13	32
Clay .....1921	0	3	4	3	4	3	0	0	1	8	34
.....1922	0	0	0	0	2	4	4	0	2	8	34
Clinton .....1921	0	1	0	3	1	0	1	0	0	5	40
.....1922	0	3	0	3	0	1	4	0	1	1	56
Crittenden .....1921	1	1	0	1	2	4	1	1	5	4	42
.....1922	0	2	0	3	5	3	8	0	3	9	47
Cumberland .....1921	0	1	0	4	1	1	1	2	4	5	43
.....1922	0	1	0	0	5	1	0	1	3	5	40
Daviess .....1921	2	3	0	8	22	12	10	2	32	22	40
.....1922	0	6	0	13	18	10	34	6	30	32	42
Edmonson .....1921	0	0	0	9	2	2	2	3	5	1	52
.....1922	0	0	1	2	2	0	3	1	1	1	46
Elliott .....1921	0	3	8	0	0	1	1	1	4	10	49
.....1922	0	3	0	0	2	2	2	3	1	1	31
Estill .....1921	0	3	0	9	6	0	5	2	6	12	49
.....1922	0	3	0	5	5	1	7	2	1	6	54
Fayette .....1921	0	9	0	17	23	19	9	6	68	68	34
.....1922	1	8	5	8	11	20	22	3	56	73	41
Fleming .....1921	2	4	0	11	5	8	2	1	7	2	40
.....1922	0	4	0	3	5	4	10	0	5	12	40
Floyd .....1921	0	2	3	8	9	4	2	2	3	12	47
.....1922	0	2	0	3	10	1	4	2	1	13	43
Franklin .....1921	0	4	0	7	6	2	2	1	15	13	40
.....1922	0	2	5	1	8	3	13	1	18	11	37
Fulton .....1921	0	1	0	3	13	3	4	6	9	21	37
.....1922	0	0	0	4	10	10	7	0	7	11	42
Gallatin .....1921	0	0	0	0	1	0	1	0	3	1	50
.....1922	0	0	0	0	0	0	5	0	5	0	34
Garrard .....1921	2	0	0	3	5	3	1	1	4	7	39
.....1922	0	0	0	0	2	0	2	0	8	7	28
Grant .....1921	0	2	2	5	7	1	2	2	6	7	46
.....1922	0	1	1	0	1	0	5	1	6	8	38
Graves .....1921	2	6	0	6	14	8	2	3	24	35	44
.....1922	1	6	0	14	15	8	17	2	21	19	45
Grayson .....1921	1	2	0	6	4	5	4	0	3	8	46
.....1922	0	4	1	6	4	4	7	2	9	7	51
Green .....1921	0	2	0	4	3	0	1	0	0	1	41
.....1922	0	0	0	3	2	0	3	0	6	0	32
Greenup .....1921	1	3	4	7	21	10	5	1	5	9	50
.....1922	0	5	0	2	12	4	11	3	5	19	37
Hancock .....1921	0	0	0	3	1	1	4	0	9	6	32
.....1922	0	0	0	1	1	2	5	0	5	0	33
Hardin .....1921	0	2	1	2	5	4	1	1	5	22	37
.....1922	0	1	3	5	3	3	1	0	6	14	42
Harlan .....1921	0	7	19	11	45	12	6	5	4	95	50
.....1922	0	6	0	19	30	3	15	1	2	88	40

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922		Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Harrison	1921	15,798	197	12.4	72.4	30	8	68	26	5	20	4	3
	1922	15,798	199	12.6	71.8	25	15	78	27	4	15	2	2
Hart	1921	18,544	155	8.4	54.6	29	12	47	21	2	11	2	4
	1922	18,544	149	8.0	52.9	23	8	55	11	4	11	0	5
Henderson	1921	27,609	340	12.3	71.5	51	32	90	39	7	27	2	10
	1922	27,609	369	13.3	100.0	70	24	104	39	5	18	5	8
Henry	1921	13,411	154	11.5	51.4	16	11	64	16	3	12	0	1
	1922	13,411	150	11.1	49.8	14	3	69	18	2	15	0	1
Hickman	1921	10,244	79	7.8	36.1	10	7	29	7	1	11	0	2
	1922	10,244	113	11.0	93.3	24	6	37	14	2	12	0	1
Hopkins	1921	34,048	392	11.5	83.5	82	34	99	41	5	27	10	8
	1922	34,133	456	13.3	94.3	89	32	125	48	6	44	0	7
Jackson	1921	11,687	62	5.4	33.7	13	8	15	7	0	6	0	2
	1922	11,687	59	5.0	36.6	16	8	17	8	1	0	1	3
Jefferson	1921	286,369	4,040	14.1	74.4	425	161	1,140	427	63	292	21	53
	1922	286,369	4,171	14.5	77.5	432	176	1,224	398	37	426	2	40
Jessamine	1921	12,205	134	11.0	73.6	19	6	52	20	3	9	0	0
	1922	12,205	119	9.7	75.7	15	11	35	13	5	10	2	2
Johnson	1921	19,622	162	8.3	58.1	43	19	22	15	2	11	1	5
	1922	19,622	179	9.1	87.7	56	13	34	21	1	21	0	4
Kenton	1921	73,453	912	12.4	62.1	105	41	299	95	6	84	13	4
	1922	73,453	1,024	13.9	79.2	118	43	344	74	17	100	1	11
Knott	1921	11,625	87	7.4	45.3	21	11	15	6	2	13	4	2
	1922	11,655	95	8.1	57.7	22	9	11	9	2	14	0	4
Knox	1921	24,172	294	12.1	69.6	74	33	59	14	1	18	9	12
	1922	24,172	222	9.1	73.7	66	28	48	15	6	16	3	11
Larue	1921	10,004	78	7.8	35.6	10	2	32	14	2	9	0	1
	1922	10,004	90	8.9	21.2	5	3	34	14	5	6	0	0
Laurel	1921	19,814	154	7.8	54.7	37	16	33	14	0	13	1	11
	1922	19,814	163	8.2	54.1	37	14	39	21	2	12	1	9
Lawrence	1921	17,643	195	11.0	53.6	35	33	38	21	0	10	2	6
	1922	17,643	175	9.9	88.2	49	23	44	20	4	15	1	10
Lee	1921	11,918	31	2.6	10.9	4	1	11	3	0	4	0	3
	1922	11,918	48	4.0	23.9	7	5	9	3	1	6	0	0
Leslie	1921	10,097	67	6.7	30.2	13	13	8	6	0	3	0	5
	1922	10,097	78	7.7	69.4	25	10	6	7	2	4	0	4
Letcher	1921	24,467	115	4.7	61.6	37	6	9	8	0	8	3	1
	1922	24,467	159	6.4	71.5	51	19	12	6	0	13	1	8
Lewis	1921	15,829	174	11.0	89.8	40	30	40	16	4	8	1	9
	1922	15,829	147	9.2	68.7	27	7	57	19	3	9	0	6
Lincoln	1921	16,481	211	12.8	67.8	38	14	68	18	0	6	0	3
	1922	16,481	194	11.7	67.2	34	9	61	28	3	20	2	0
Livingston	1921	9,732	91	9.4	53.2	14	7	34	9	1	8	0	3
	1922	9,732	89	8.5	57.3	11	6	22	13	3	6	2	2
Logan	1921	23,633	246	10.4	42.0	23	13	91	32	5	26	0	2
	1922	23,633	237	10.0	56.9	32	7	90	31	4	16	1	3
Lyon	1921	8,795	62	7.1	46.8	11	7	18	7	0	7	0	2
	1922	8,795	61	6.9	41.2	8	4	21	10	0	1	0	2
McCracken	1921	37,246	512	13.7	67.0	55	31	124	63	7	37	0	6
	1922	37,246	507	13.6	114.5	86	25	125	58	9	47	2	9

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

- For 1921 and 1922		Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Harrison	1921	0	4	0	6	5	4	10	0	8	10	47
	1922	0	4	0	3	1	4	12	1	9	7	36
Hart	1921	0	4	0	4	6	4	2	0	12	6	42
	1922	1	2	0	13	5	3	12	1	9	5	40
Henderson	1921	0	1	0	6	23	4	8	2	13	27	41
	1922	0	2	3	2	18	5	18	3	16	31	35
Henry	1921	2	0	0	1	6	4	3	0	8	7	34
	1922	0	1	0	0	1	2	6	0	14	2	31
Hickman	1921	0	0	0	0	2	1	0	0	4	1	33
	1922	0	2	0	1	5	3	4	0	2	8	40
Hopkins	1921	2	3	1	11	20	9	9	4	18	30	42
	1922	0	6	3	16	17	9	26	4	20	40	39
Jackson	1921	0	1	0	1	7	0	0	5	0	6	50
	1922	1	1	0	1	5	1	3	0	0	5	42
Jefferson	1921	10	28	8	23	92	65	26	19	263	311	33
	1922	1	33	25	20	75	65	76	23	275	291	31
Jessamine	1921	0	1	0	3	6	3	1	0	9	5	38
	1922	0	0	1	2	3	1	6	0	7	9	36
Johnson	1921	1	3	2	4	12	6	1	2	5	11	43
	1922	1	3	0	6	9	1	7	1	3	12	40
Kenton	1921	5	10	0	8	16	14	5	2	77	62	34
	1922	4	10	7	2	16	13	32	8	73	63	29
Knott	1921	0	1	3	4	6	3	0	2	3	3	55
	1922	0	1	0	5	4	2	4	2	2	8	48
Knox	1921	1	6	10	14	28	7	0	4	10	30	43
	1922	0	3	0	3	13	6	6	3	10	11	48
Larue	1921	0	1	0	3	0	2	2	0	2	4	46
	1922	0	1	0	1	0	4	7	3	5	4	43
Laurel	1921	0	4	0	3	10	4	3	0	3	19	44
	1922	0	3	0	4	12	6	10	5	5	7	51
Lawrence	1921	0	4	5	6	11	11	0	0	4	9	41
	1922	1	4	0	4	8	1	5	1	2	17	41
Lee	1921	0	0	0	1	0	2	0	0	0	3	45
	1922	0	2	0	2	3	0	0	0	1	5	35
Leslie	1921	0	1	0	0	2	3	0	0	0	15	37
	1922	0	0	0	3	6	4	1	0	1	8	38
Letcher	1921	0	1	0	4	15	6	0	0	1	19	46
	1922	0	3	0	4	18	2	2	0	3	33	30
Lewis	1921	1	1	1	5	22	5	2	2	4	11	47
	1922	0	3	0	0	7	4	6	1	13	6	36
Lincoln	1921	2	5	0	7	12	6	1	4	7	7	32
	1922	0	1	0	2	5	4	4	1	11	5	36
Livingston	1921	0	1	0	3	3	1	0	2	4	4	37
	1922	0	3	0	0	3	2	3	0	1	3	42
Logan	1921	0	1	0	5	4	9	2	3	12	15	39
	1922	0	3	2	9	6	5	17	2	11	14	40
Lyon	1921	1	3	0	4	1	3	1	0	3	3	50
	1922	0	0	0	2	3	1	0	0	2	10	29
McCracken	1921	0	9	0	7	19	11	5	5	30	34	37
	1922	2	15	1	9	12	12	18	3	19	26	39

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
McCreary .....1921	11,676	71	6.1	50.9	26	10	10	2	0	2	2	2
.....1922	11,676	55	4.6	56.2	20	9	11	1	0	6	1	9
McLean .....1921	12,502	133	10.7	79.0	26	11	39	13	1	13	0	9
.....1922	12,502	148	11.8	88.7	28	13	45	21	2	15	0	2
Madison .....1921	26,284	300	11.4	71.1	53	18	90	38	12	27	4	6
.....1922	26,284	280	10.6	75.5	50	16	90	38	4	40	0	1
Magoffin .....1921	13,859	106	7.7	60.0	31	22	12	6	0	5	3	3
.....1922	13,859	72	5.1	49.5	23	6	12	3	0	6	0	5
Marion .....1921	15,527	186	11.9	61.7	32	20	54	13	6	17	0	16
.....1922	15,527	196	12.6	100.0	46	16	57	19	1	25	4	4
Marshall .....1921	15,215	118	7.8	59.2	25	10	33	15	1	13	0	5
.....1922	15,215	134	8.8	45.0	17	16	35	21	3	15	0	2
Martin .....1921	7,654	39	5.0	64.5	21	9	7	4	0	1	0	5
.....1922	7,654	70	9.1	71.2	23	6	11	3	1	8	0	3
Mason .....1921	17,760	256	14.4	63.8	20	36	86	26	11	24	4	8
.....1922	17,760	244	13.7	74.9	26	11	98	20	4	18	0	4
Meade .....1921	9,442	101	10.6	80.1	21	7	84	12	0	11	0	3
.....1922	9,442	104	11.0	56.0	14	10	42	9	2	14	2	0
Menifee .....1921	5,779	42	7.2	37.0	9	11	7	2	3	1	0	5
.....1922	5,779	57	9.8	55.0	11	8	11	5	6	1	0	3
Mercer .....1921	14,795	141	9.5	55.0	19	1	53	16	2	18	0	0
.....1922	14,795	157	10.6	38.1	13	15	66	18	1	16	0	4
Metcalfe .....1921	10,075	74	7.4	50.6	11	7	18	4	0	9	0	2
.....1922	10,075	113	11.2	82.0	20	6	39	16	0	7	0	1
Monroe .....1921	14,214	124	8.8	67.1	27	15	35	18	2	6	5	3
.....1922	14,214	125	8.8	64.2	25	12	40	7	4	9	0	3
Montgomery .....1921	12,245	120	9.8	73.5	23	7	44	14	1	8	0	3
.....1922	12,245	137	11.1	58.5	16	8	53	21	2	20	0	3
Morgan .....1921	16,518	147	8.9	49.3	30	25	30	13	3	5	4	11
.....1922	16,518	113	6.8	48.5	27	7	33	19	1	9	0	3
Muhlenberg .....1921	33,353	379	11.3	81.6	99	37	92	35	10	36	10	14
.....1922	33,353	386	11.6	87.2	106	36	70	38	6	37	1	12
Nelson .....1921	16,137	182	11.3	67.1	30	9	69	15	2	11	2	5
.....1922	16,137	201	12.4	75.0	30	20	74	27	1	18	1	5
Nicholas .....1921	9,894	124	12.5	88.2	15	8	50	18	0	11	0	4
.....1922	9,894	129	13.0	55.5	9	16	58	11	1	16	0	7
Ohio .....1921	26,473	233	8.8	85.3	46	16	74	25	7	23	5	4
.....1922	26,473	225	8.5	66.4	47	6	78	16	3	27	1	3
Oldham .....1921	7,689	88	11.4	23.3	4	5	49	5	2	4	0	2
.....1922	7,689	109	12.8	56.5	7	4	57	10	2	11	0	0
Owen .....1921	12,554	115	9.2	30.0	11	6	38	19	2	8	2	2
.....1922	12,554	131	10.0	40.0	12	6	67	17	1	12	0	3
Owsley .....1921	7,820	38	4.7	38.1	10	5	12	3	0	3	3	0
.....1922	7,820	49	5.9	28.8	7	3	19	7	0	5	0	0
Pendleton .....1921	11,719	126	10.8	68.2	21	6	55	14	6	10	1	1
.....1922	11,719	129	11.0	65.5	16	11	56	14	3	18	2	4
Perry .....1921	26,042	261	10.5	56.9	68	33	16	10	2	27	2	4
.....1922	26,042	262	10.0	70.5	98	40	13	18	1	30	3	12
Pike .....1921	49,477	383	5.7	55.4	108	74	40	34	4	13	15	15
.....1922	49,477	439	8.8	66.0	132	64	55	37	2	37	1	22

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
McCreary .....1921	0	1	5	1	7	1	0	0	1	7	36
.....1922	0	0	0	0	4	0	3	1	3	0	48
McLean .....1921	0	6	0	2	8	5	1	0	5	7	46
.....1922	0	2	1	3	6	3	9	0	10	7	45
Madison .....1921	1	2	0	7	15	6	0	0	9	16	42
.....1922	1	4	0	4	9	9	7	1	10	22	37
Magoffin .....1921	0	1	4	7	16	5	0	2	2	5	50
.....1922	0	1	0	4	3	3	4	0	2	6	36
Marion .....1921	0	1	1	4	10	5	3	1	5	9	44
.....1922	0	3	0	1	4	6	7	0	9	13	37
Marshall .....1921	0	1	0	2	5	3	4	2	8	5	46
.....1922	0	4	1	3	3	4	14	1	4	6	52
Martin .....1921	0	0	1	2	3	0	0	0	0	6	46
.....1922	0	4	0	3	4	10	1	2	1	0	54
Mason .....1921	0	1	3	8	8	9	2	0	14	14	44
.....1922	0	2	2	3	4	1	10	1	25	18	28
Meade .....1921	0	1	0	7	4	2	0	1	5	4	44
.....1922	0	1	1	3	1	3	3	1	6	2	40
Menifee .....1921	0	0	0	3	3	1	0	0	1	2	45
.....1922	0	1	0	2	2	3	2	0	1	8	40
Mercer .....1921	0	2	0	3	4	2	3	3	10	6	43
.....1922	0	1	0	7	4	1	8	1	8	4	40
Metcalf .....1921	0	1	0	2	3	3	1	2	5	4	40
.....1922	0	3	1	8	2	3	2	0	6	5	38
Monroe .....1921	0	2	0	3	10	2	1	0	3	5	44
.....1922	0	2	0	2	7	1	4	2	9	4	32
Montgomery .....1921	3	0	0	3	4	1	1	0	4	8	35
.....1922	0	3	0	2	1	1	8	0	9	7	45
Morgan .....1921	0	1	0	5	6	5	2	3	7	2	42
.....1922	0	2	1	2	6	3	7	1	5	6	46
Muhlenberg .....1921	2	5	4	10	39	8	5	3	23	14	50
.....1922	0	8	0	13	25	10	23	1	17	29	44
Nelson .....1921	0	2	1	1	6	2	3	4	11	10	33
.....1922	0	2	2	0	6	4	9	0	4	4	38
Nicholas .....1921	1	0	0	3	0	4	3	0	10	3	38
.....1922	0	0	0	1	0	1	6	0	14	6	32
Ohio .....1921	0	1	0	13	18	3	0	1	10	9	45
.....1922	0	1	1	8	6	4	18	0	10	13	39
Oldham .....1921	0	2	0	1	2	1	0	0	6	6	37
.....1922	0	0	1	0	2	2	2	1	7	3	33
Owen .....1921	0	3	0	1	2	5	0	0	7	4	40
.....1922	0	1	0	2	5	1	6	0	3	8	32
Owsley .....1921	0	1	0	1	4	1	0	0	1	5	41
.....1922	0	0	0	0	1	0	7	0	7	0	36
Pendleton .....1921	0	3	0	1	4	3	1	1	6	8	39
.....1922	0	1	0	0	1	0	8	0	5	6	38
Perry .....1921	1	7	4	9	23	6	2	1	5	67	46
.....1922	1	8	0	6	19	6	8	0	7	51	41
Pike .....1921	1	4	5	22	42	26	1	2	2	42	52
.....1922	0	10	0	16	31	20	16	0	7	61	43

TABLE 3—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922		Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate per 1,000 living Births.	Of Infants Under 1 year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria-Croup.
Powell	1921	6,745	28	4.2	35.5	7	2	6	2	0	3	0	1
	1922	6,745	44	6.5	85.6	16	4	8	5	2	5	0	0
Pulaski	1921	34,010	269	7.6	46.5	48	16	63	31	6	22	0	6
	1922	34,010	269	7.6	45.5	48	16	63	31	6	22	0	6
Robertson	1921	3,871	35	9.0	52.0	5	2	13	3	1	1	0	1
	1922	3,871	34	8.8	58.9	5	3	16	4	0	5	0	1
Rockcastle	1921	15,406	122	7.9	56.3	30	16	25	10	1	8	0	5
	1922	15,406	88	5.0	35.7	17	7	22	10	0	10	2	4
Rowan	1921	9,467	110	11.6	58.3	24	19	22	10	2	10	3	4
	1922	9,467	106	11.1	85.8	34	17	25	15	6	7	0	0
Russell	1921	11,854	63	5.3	29.6	11	5	18	6	0	4	1	2
	1922	11,854	70	6.7	45.5	14	5	17	12	1	7	0	1
Scott	1921	15,318	154	10.1	55.8	20	4	49	16	1	18	2	1
	1922	15,318	204	13.3	75.6	22	11	71	23	1	23	4	1
Shelby	1921	18,532	229	12.4	100.6	31	13	93	16	3	17	0	5
	1922	18,532	227	12.2	78.2	27	10	107	11	0	27	0	12
Simpson	1921	11,150	123	11.2	56.0	12	15	40	16	1	16	1	2
	1922	11,150	135	12.1	52.4	11	5	54	22	4	17	0	3
Spencer	1921	7,785	71	9.1	50.5	10	10	23	7	1	7	0	8
	1922	7,785	76	9.6	80.2	13	13	20	11	1	7	0	7
Taylor	1921	12,236	139	11.4	63.5	22	12	42	15	2	13	0	4
	1922	12,236	120	9.8	76.8	27	9	36	10	0	9	0	4
Todd	1921	15,694	199	12.7	88.7	33	16	55	32	2	21	2	9
	1922	15,694	191	12.1	84.8	35	10	65	14	1	25	1	7
Trigg	1921	14,208	188	13.2	63.1	18	6	32	21	4	4	1	2
	1922	14,208	119	8.4	63.4	19	12	38	21	1	12	0	2
Trimble	1921	6,011	37	6.2	25.0	4	3	15	4	0	4	1	0
	1922	6,011	51	8.4	42.7	5	6	17	7	1	6	0	2
Union	1921	18,040	196	10.9	84.8	37	27	42	32	1	12	6	7
	1922	18,040	188	10.4	57.2	33	22	58	16	0	14	6	3
Warren	1921	30,858	403	13.3	55.2	48	38	130	59	5	25	11	15
	1922	30,858	429	14.2	67.2	58	30	149	48	6	36	0	5
Washington	1921	14,773	110	7.5	41.5	17	6	37	16	0	12	0	2
	1922	14,773	95	6.7	34.9	13	8	34	5	0	23	1	8
Wayne	1921	16,208	105	6.5	35.7	19	12	17	10	4	7	0	6
	1922	16,208	113	6.9	26.6	13	8	38	16	2	10	0	3
Webster	1921	20,762	251	12.1	83.8	45	21	59	23	3	16	4	11
	1922	20,762	243	11.2	89.1	50	38	53	23	2	22	10	5
Whitley	1921	27,749	410	14.7	66.1	73	32	53	26	5	24	5	4
	1922	27,749	250	9.0	69.2	70	26	46	19	5	16	0	2
Wolfe	1921	8,785	54	6.3	41.0	13	9	12	3	1	8	1	2
	1922	8,783	23	2.6	24.3	5	2	7	5	1	0	0	0
Woodford	1921	11,784	161	13.6	78.0	27	10	50	23	3	18	1	2
	1922	11,784	161	13.6	90.6	23	10	48	23	0	17	1	5

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1921 and 1922	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Powell .....1921	0	0	0	1	2	0	0	0	0	2	32
.....1922	0	2	0	3	4	1	3	0	1	1	56
Pulaski .....1921	0	2	1	6	6	6	2	2	16	24	37
.....1922	1	3	1	3	11	9	17	1	9	21	38
Robertson .....1921	0	1	0	1	1	1	1	1	4	2	40
.....1922	0	0	0	2	0	0	1	0	0	2	38
Rockcastle .....1921	0	2	3	6	8	2	2	0	3	10	41
.....1922	0	0	0	0	4	1	11	0	2	8	47
Rowan .....1921	0	4	2	4	8	8	1	0	3	3	52
.....1922	0	1	0	4	13	5	4	0	2	2	54
Russell .....1921	0	2	0	4	0	0	0	1	1	4	34
.....1922	0	0	0	0	6	0	2	0	2	5	42
Scott .....1921	0	2	0	2	3	4	2	0	6	8	36
.....1922	0	6	0	1	3	1	10	1	10	10	36
Shelby .....1921	0	6	0	5	7	9	3	1	16	19	36
.....1922	0	3	0	2	2	4	11	0	9	13	35
Simpson .....1921	0	1	0	2	5	3	4	0	7	14	47
.....1922	0	0	0	4	2	3	14	0	8	6	51
Spencer .....1921	0	1	0	1	5	1	0	0	3	3	46
.....1922	1	1	0	0	0	0	11	0	0	4	54
Taylor .....1921	0	2	0	6	8	0	1	0	5	4	38
.....1922	0	2	1	1	4	4	2	1	8	4	31
Todd .....1921	0	0	0	8	4	10	2	1	5	12	48
.....1922	0	0	0	2	5	0	9	1	9	14	34
Trigg .....1921	0	3	0	8	4	3	0	0	4	5	44
.....1922	0	4	0	3	2	1	10	0	4	7	33
Trimble .....1921	0	3	0	0	0	3	0	0	0	3	43
.....1922	1	2	0	1	1	1	4	0	3	1	49
Union .....1921	0	4	0	7	8	2	1	0	10	10	43
.....1922	0	4	2	9	10	5	5	3	11	14	40
Warren .....1921	1	7	0	13	11	8	9	2	17	31	45
.....1922	0	6	2	16	8	6	34	2	21	29	39
Washington .....1921	0	1	0	7	1	2	1	4	0	6	43
.....1922	0	0	0	0	0	3	8	0	8	2	43
Wayne .....1921	0	2	0	2	7	2	2	2	8	3	43
.....1922	0	1	0	4	1	0	7	2	2	5	44
Webster .....1921	0	5	0	16	11	3	8	0	8	19	42
.....1922	2	8	11	8	13	4	13	1	17	18	49
Whitley .....1921	0	10	5	7	19	13	2	3	10	23	32
.....1922	4	5	0	5	25	4	12	3	4	23	39
Wolfe .....1921	0	10	5	7	19	2	0	1	0	4	50
.....1922	0	0	0	0	0	0	0	0	3	1	30
Woodford .....1921	0	1	0	4	9	2	0	0	12	2	42
.....1922	0	0	2	4	4	3	8	0	8	9	42

TABLE 9.

State Table Showing Total Births (exclusive of stillbirths), Plural Births, Sex, Color, Nativity of Parents, by Whom Attended and Illegitimates—1921 and 1922.

	1921				1922		
	Total	White	Colored		Total	White	Colored
All births	67,711	62,979	4,732	All births	62,621	58,104	4,517
Male	35,003	32,645	2,358	Male	32,491	32,391	
Female	32,708	30,334	2,374	Female	30,130	30,126	
Twins	636	1,188	83	Twins	689		
Triplets	15	14	1	Triplets	19		
Father—Native	67,282			Father—Native	62,037		
Foreign	254			Foreign	238		
Mother—Native	67,479			Mother—Native	62,311		
Foreign	232			Foreign	206		
Attended by—				Attended by—			
Physician	55,310			Physician	51,617		
Midwife	12,139			Midwife	10,859		
Illegitimate	1,454	782	672	Illegitimate	1,285	663	622

TABLE 10.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
State of Kentucky.....	1921	67,711	28.0	62,979	4,732	35,003	32,708	636	15	2,280
	1922	62,621	26.0	58,104	4,517	32,491	30,130	689	19	2,170
Adair	1921	530	31.1	514	16	288	242	8	0	16
	1922	488	28.0	450	38	261	227	7	0	16
Allen	1921	443	26.2	424	19	232	211	6	0	14
	1922	443	25.9	426	17	228	215	7	0	17
Anderson	1921	256	25.7	238	18	134	122	1	0	9
	1922	269	26.6	253	16	129	140	3	0	11
Ballard	1921	286	23.8	248	38	143	143	4	0	4
	1922	294	24.4	266	28	139	155	3	0	15
Barren	1921	623	24.2	556	67	326	297	12	0	13
	1922	614	24.3	540	74	343	271	8	0	14
Bath	1921	362	30.1	338	24	187	175	6	0	13
	1922	348	28.6	323	25	201	147	2	0	8
Bell	1921	1,151	33.9	1,104	47	622	529	16	0	46
	1922	983	28.9	939	44	501	482	6	0	38
Boone	1921	171	17.9	163	8	88	83	1	0	5
	1922	171	17.9	164	7	92	79	2	0	9
Bourbon	1921	351	19.1	282	69	180	171	4	0	25
	1922	229	12.2	165	64	117	112	1	0	15

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES		Total Births (Still- births Excluded):	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Boyd, exclusive of.....	1921	371	25.2	369	2	194	177	1	0	12
	1922	329	25.1	326	3	175	154	4	0	13
Ashland	1921	655	44.6	642	13	350	305	5	0	23
	1922	590	40.0	571	19	301	289	4	0	22
Boyle	1921	390	26.1	351	39	208	182	3	0	20
	1922	351	23.8	317	34	183	168	2	0	12
Bracken	1921	245	24.0	237	8	111	134	3	0	7
	1922	222	21.4	215	7	124	98	3	0	6
Breathitt	1921	711	34.3	705	6	394	317	3	0	11
	1922	619	30.0	613	6	298	321	9	0	7
Breckinridge	1921	580	29.2	550	30	274	306	6	0	26
	1922	548	27.8	520	28	280	268	4	0	26
Bullitt	1921	270	29.0	262	8	128	142	2	0	7
	1922	288	30.8	274	14	150	138	4	0	13
Butler	1921	387	25.2	372	15	199	188	2	1	7
	1922	325	21.3	310	15	184	141	2	0	7
Caldwell	1921	326	23.1	285	41	171	155	4	0	15
	1922	353	24.8	311	42	171	182	3	0	14
Calloway	1921	515	24.7	494	21	257	258	3	0	12
	1922	446	21.4	423	23	216	230	7	0	5
Campbell, exclusive of.....	1921	627	19.0	623	4	302	325	4	0	23
	1922	625	19.2	610	15	325	300	4	0	30
Newport	1921	535	18.3	516	19	267	268	7	0	20
	1922	535	18.3	510	25	274	261	6	0	22
Carlisle	1921	234	28.2	226	8	130	104	3	0	6
	1922	216	26.6	212	4	122	94	2	1	2
Carroll	1921	199	23.3	191	8	100	99	2	0	7
	1922	173	20.6	161	12	88	85	3	1	6
Carter	1921	939	41.6	936	3	483	456	10	0	40
	1922	757	33.6	756	1	448	309	10	0	26
Casey	1921	528	30.7	522	6	301	227	6	0	4
	1922	560	32.1	554	6	287	273	5	1	8
Christian, exclusive of.....	1921	626	23.9	400	226	329	297	5	0	29
	1922	636	21.0	419	217	340	296	4	0	25
Hopkinsville	1921	165	17.1	101	64	94	71	3	0	13
	1922	152	16.9	93	59	86	66	1	1	14
Clark	1921	487	28.0	431	56	229	258	6	0	17
	1922	463	25.6	401	62	239	224	4	0	31
Clay	1921	654	32.9	639	15	323	331	8	0	13
	1922	494	24.7	485	9	242	252	4	0	12
Clinton	1921	234	27.1	232	2	134	100	8	0	7
	1922	206	23.9	204	2	111	95	2	0	7
Crittenden	1921	345	26.2	339	6	171	174	6	0	6
	1922	212	16.1	209	3	103	109	5	0	12
Cumberland	1921	278	25.8	243	35	128	150	3	0	11
	1922	248	23.1	241	7	128	120	2	0	10
Daviess, exclusive of.....	1921	690	35.0	659	31	380	310	3	0	20
	1922	611	26.2	578	33	324	287	6	0	12
Owensboro	1921	465	22.1	429	36	236	229	2	0	21
	1922	393	22.5	363	30	193	200	2	0	26

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Edmonson	1921	343	31.2	337	6	161	182	7	0	6
	1922	307	30.4	300	7	201	106	3	1	5
Elliott	1921	308	34.2	307	1	165	143	2	0	12
	1922	301	33.9	300	1	157	144	3	0	9
Estill	1921	596	38.2	591	5	303	293	4	0	3
	1922	502	31.5	501	1	245	257	6	0	8
Fayette, exclusive of	1921	183	13.9	140	43	105	78	1	0	7
	1922	192	14.0	161	31	93	99	2	0	5
Lexington	1921	823	19.8	724	99	428	395	10	0	54
	1922	731	17.5	586	145	379	352	7	0	53
Fleming	1921	408	26.1	383	25	217	191	1	0	15
	1922	342	21.6	319	23	180	162	3	0	11
Floyd	1921	909	33.0	894	15	470	439	7	0	12
	1922	794	28.4	788	5	405	389	10	0	9
Franklin, exclusive of	1921	256	26.9	247	9	116	140	3	0	9
	1922	211	22.0	184	27	106	105	2	0	9
Frankfort	1921	157	16.0	136	21	79	78	0	0	14
	1922	192	19.6	164	28	95	97	3	0	8
Fulton	1921	319	20.9	279	40	170	149	2	0	17
	1922	234	15.4	187	47	119	115	5	0	10
Gallatin	1921	98	21.0	94	4	45	53	1	0	2
	1922	100	20.6	96	4	47	53	1	0	1
Garrard	1921	359	28.8	303	56	187	172	4	0	9
	1922	353	28.4	295	58	190	163	2	0	15
Grant	1921	275	26.4	262	13	143	132	2	0	9
	1922	241	23.1	234	7	124	117	2	1	5
Graves	1921	920	31.1	869	51	479	441	7	0	33
	1922	811	24.9	751	60	421	390	10	1	21
Grayson	1921	561	28.2	557	4	304	257	7	0	19
	1922	518	25.6	511	7	286	232	2	0	16
Green	1921	288	25.2	264	24	151	137	5	0	9
	1922	288	25.2	263	25	144	144	4	0	4
Greenup	1921	796	39.8	790	6	405	391	7	0	26
	1922	700	34.9	695	5	338	362	7	0	22
Hancock	1921	179	25.9	168	11	108	71	2	0	4
	1922	172	24.7	164	8	84	88	1	0	4
Hardin	1921	555	22.8	527	28	294	261	6	0	11
	1922	462	18.8	440	20	235	227	7	0	12
Harlan	1921	1,539	49.0	1,443	96	819	720	16	2	52
	1922	1,484	47.0	1,373	111	752	732	12	0	61
Harrison	1921	418	26.4	389	29	224	194	4	0	12
	1922	356	22.1	338	18	172	184	2	0	12
Hart	1921	531	28.7	481	50	276	255	5	1	8
	1922	433	26.5	352	81	242	191	3	0	4
Henderson, exclusive of	1921	462	30.0	376	86	213	249	4	0	11
	1922	456	28.1	376	80	211	245	7	0	10
Henderson	1921	241	19.8	180	61	135	106	2	0	10
	1922	220	21.9	162	58	119	101	4	0	21
Henry	1921	317	23.6	265	52	159	158	1	0	15
	1922	282	21.0	251	31	132	150	1	0	8

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES		Total Births (Still- births Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Hickman	1921	280	27.4	244	36	156	124	2	0	4
	1922	259	25.0	247	12	136	123	5	0	3
Hopkins	1921	1,007	29.7	855	152	484	523	8	0	41
	1922	948	27.6	824	124	519	429	11	0	56
Jackson	1921	375	32.0	375	0	181	194	6	0	9
	1922	439	35.8	439	0	232	207	5	0	2
Jefferson, exclusive of	1921	977	18.9	904	73	513	464	11	1	43
	1922	620	11.4	566	54	344	276	5	0	28
Louisville	1921	4,862	20.7	4,277	585	2,538	2,324	25	2	239
	1922	5,021	21.3	4,437	584	2,656	2,365	60	0	261
Jessamine	1921	258	21.1	215	43	127	131	1	0	7
	1922	194	16.4	156	38	96	98	2	0	4
Johnson	1921	772	39.4	771	1	354	418	7	0	24
	1922	652	33.2	651	1	348	304	8	0	23
Kenton, exclusive of	1921	341	20.9	338	3	182	159	6	0	8
	1922	299	18.3	296	3	155	144	2	0	11
Covington	1921	1,341	23.5	1,269	45	679	662	16	0	50
	1922	1,179	21.1	1,136	43	616	563	11	0	49
Knott	1921	485	41.6	481	4	238	247	2	0	11
	1922	379	32.8	375	4	204	175	5	0	8
Knox	1921	1,060	43.7	1,034	26	578	482	15	1	27
	1922	904	37.1	886	18	467	437	16	1	40
Larue	1921	280	28.0	261	19	128	152	1	0	6
	1922	245	23.7	234	11	116	127	2	0	6
Laurel	1921	699	35.1	684	15	365	334	5	0	22
	1922	699	35.1	687	12	361	338	9	0	25
Lawrence	1921	660	37.6	658	2	336	324	5	0	25
	1922	565	32.0	563	2	284	281	11	0	14
Lee	1921	268	22.5	226	2	141	127	5	0	5
	1922	298	24.8	291	7	150	148	3	0	6
Leslie	1921	406	40.2	400	6	192	214	3	0	5
	1922	369	36.1	368	1	183	186	9	0	9
Letcher	1921	767	31.4	726	41	412	355	8	0	8
	1922	681	27.8	656	25	368	313	6	0	17
Lewis	1921	470	29.8	469	1	250	220	7	0	21
	1922	406	24.9	403	3	211	195	6	1	18
Lincoln	1921	558	33.7	505	53	290	268	8	0	23
	1922	475	30.6	435	40	248	227	3	0	15
Livingston	1921	259	26.8	244	15	128	131	4	0	8
	1922	193	19.7	180	13	109	84	3	0	11
Logan	1921	571	24.2	467	104	274	297	7	0	16
	1922	564	23.8	481	83	279	285	3	0	10
Lyon	1921	221	25.1	197	24	110	111	3	0	12
	1922	193	22.0	174	19	100	93	1	0	3
McCracken, exclusive of	1921	256	20.5	237	19	130	126	2	0	14
	1922	233	17.9	220	13	113	120	1	0	6
Paducah	1921	581	23.6	465	116	298	283	8	0	40
	1922	488	21.4	424	64	258	230	2	0	41
McCreary	1921	524	44.8	524	0	255	269	7	1	10
	1922	364	30.6	359	5	185	179	5	0	19

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
McLean	1921	332	26.7	318	14	160	172	1	0	10
	1922	330	25.2	319	11	178	152	4	0	3
Madison	1921	755	28.7	633	122	383	372	7	0	25
	1922	673	25.6	570	103	374	299	4	0	42
Magoffin	1921	508	36.5	507	1	247	261	4	0	11
	1922	474	33.5	474	0	243	231	6	0	15
Marion	1921	530	34.1	491	39	268	262	5	0	19
	1922	462	29.6	409	53	239	223	4	0	17
Marshall	1921	422	27.8	421	1	223	199	8	0	10
	1922	375	24.8	375	0	200	175	6	0	3
Martin	1921	313	40.6	313	0	146	167	3	0	8
	1922	318	41.4	318	0	163	155	6	0	0
Mason	1921	320	17.1	274	46	163	157	5	0	13
	1922	352	19.6	308	44	203	149	3	0	9
Meade	1921	262	26.9	248	14	125	137	1	0	4
	1922	248	26.5	233	15	125	123	2	0	5
Menifee	1921	241	41.4	241	0	115	126	4	0	9
	1922	201	34.8	198	3	99	102	2	0	7
Mercer	1921	357	24.1	325	32	193	164	2	0	10
	1922	345	23.1	298	47	177	168	4	1	14
Metcalfe	1921	214	21.1	202	12	121	93	1	0	9
	1922	248	24.4	231	17	140	108	2	0	7
Monroe	1921	422	29.7	413	9	200	222	9	0	12
	1922	392	27.6	378	14	211	181	6	0	11
Montgomery	1921	313	25.9	266	47	159	154	6	0	15
	1922	277	22.5	227	50	154	123	5	0	11
Morgan	1921	616	37.2	546	70	344	272	8	0	23
	1922	561	33.5	561	0	272	289	9	0	15
Muhlenberg	1921	1,211	36.2	1,144	67	656	555	13	0	28
	1922	1,233	36.9	1,169	64	652	581	9	0	32
Nelson	1921	406	25.2	359	47	226	180	1	0	11
	1922	402	24.8	368	34	203	199	5	0	11
Nicholas	1921	186	18.7	171	15	98	88	1	0	9
	1922	159	16.5	154	5	90	69	2	0	8
Ohio	1921	702	26.4	669	33	362	340	10	0	22
	1922	712	26.8	695	17	341	371	5	0	20
Oldham	1921	152	19.8	130	22	65	87	1	0	10
	1922	118	16.6	105	13	68	50	1	0	6
Owen	1921	327	26.0	309	18	164	163	1	0	7
	1922	303	23.8	282	21	162	141	3	0	7
Owsley	1921	268	33.8	268	0	149	119	5	0	4
	1922	248	30.8	248	0	122	126	4	1	9
Pendleton	1921	308	26.4	299	9	155	153	5	0	12
	1922	248	20.8	243	5	131	117	4	0	9
Perry	1921	1,212	46.6	1,156	56	618	594	19	1	35
	1922	1,405	54.0	1,332	73	731	674	16	3	49
Pike	1921	1,963	39.6	1,927	36	1,035	928	20	1	41
	1922	1,912	38.7	1,855	57	978	934	15	0	47
Powell	1921	192	28.6	188	4	94	98	1	0	9
	1922	186	27.9	162	24	103	83	2	1	4

TABLE 10 Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1921-1922.

COUNTIES	Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Pulaski	1921 1,077	31.6	1,052	25	549	528	11	2	33
	1922 1,078	31.1	1,055	23	544	534	16	0	32
Robertson	1921 85	22.0	84	1	45	40	0	0	1
	1922 85	22.0	83	2	39	46	1	0	2
Rockcastle	1921 538	34.9	534	4	278	260	4	0	12
	1922 473	31.2	412	1	246	227	5	1	9
Rowan	1921 414	43.5	412	2	211	203	4	0	17
	1922 397	42.2	396	1	194	203	4	0	14
Russell	1921 369	31.2	364	5	188	181	1	0	15
	1922 308	25.8	307	1	165	143	4	0	5
Scott	1921 368	24.1	313	55	204	164	4	0	12
	1922 395	25.7	251	44	158	137	6	0	16
Shelby	1921 403	21.8	330	73	199	204	2	0	17
	1922 344	18.7	279	65	164	180	5	0	9
Simpson	1921 219	19.8	185	34	111	108	0	0	3
	1922 211	18.9	163	47	115	95	1	1	9
Spencer	1921 194	25.0	175	19	107	87	2	0	8
	1922 161	21.1	153	8	81	80	0	0	8
Taylor	1921 343	28.1	311	32	163	180	6	0	6
	1922 348	25.1	304	44	184	164	2	1	14
Todd	1921 417	26.6	308	109	212	205	5	0	10
	1922 415	26.4	272	143	175	240	4	0	4
Trigg	1921 293	20.6	248	45	154	139	2	0	8
	1922 302	21.1	255	47	170	132	2	0	12
Trimble	1921 162	27.0	156	6	93	69	0	0	6
	1922 124	19.5	122	2	56	68	3	0	6
Union	1921 535	29.6	473	62	304	231	5	0	27
	1922 576	31.9	513	63	304	272	12	1	22
Warren, exclusive of.....	1921 544	26.6	475	69	288	256	4	0	16
	1922 556	26.4	499	57	285	271	6	0	14
Bowling Green	1921 238	24.7	187	51	114	124	3	0	10
	1922 300	30.6	220	80	145	155	2	0	13
Washington	1921 401	26.9	358	43	216	185	1	0	7
	1922 380	25.2	348	32	192	188	2	0	5
Wayne	1921 545	33.6	526	19	292	253	4	1	21
	1922 483	30.4	470	13	234	249	6	0	18
Webster	1921 515	24.7	454	61	264	251	4	0	26
	1922 579	26.9	529	50	299	280	6	0	19
Whitley	1921 1,104	39.6	1,091	13	594	510	18	1	48
	1922 1,019	37.8	1,003	16	520	499	9	0	27
Wolfe	1921 322	36.5	321	1	180	142	2	0	9
	1922 201	23.4	201	0	109	92	1	0	5
Woodford	1921 345	29.2	284	61	180	165	2	1	12
	1922 265	22.6	215	50	135	130	2	0	7

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BULLETIN

OF THE



STATE BOARD OF HEALTH OF KENTUCKY

EDITED AND PUBLISHED BY THE

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NO. 2

Preliminary Vital Statistics Report for 1923

Death Tables for 5 Years, 1919-1923
Inclusive

And Birth Tables for 2 Years, 1922-1923

CIRCULATION 25,000 REPRESENTATIVE PEOPLE OF KENTUCKY.

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BUREAU OF VITAL STATISTICS—Reminders.

Physicians are required to report births within ten days to the local registrar in whose district the birth occurs.

Failure to report births may deprive the individual of personal, social or property rights and is a violation of law.

Undertakers or persons acting as such are required to secure a complete death certificate before they can secure a permit to bury a body.

Failure to secure a certificate of death which gives the cause of death and family history, may deprive a widow or orphan of a pension or insurance fund, prevent the State Board of Health from locating an epidemic which it can stop, cause the spread of disease and is a violation of law.

Local registrars should inform the State Registrar of violations of the law, giving names and addresses and the facts.

If an epidemic occurs in a community local registrars should inform the State Registrar, that the State Board of Health may take steps at once to stop the spread of the disease.

MAKE REPORTS PROMPTLY ON THE TENTH
OF THE MONTH.

BULLETIN

OF

THE

PUBLIC HEALTH

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STATE BOARD OF HEALTH OF KENTUCKY

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NO. 2

Preliminary Vital Statistics Report for 1923 Death Tables for 5 Years, 1919-1923 Inclusive And Birth Tables for 2 Years, 1922-1923

CIRCULATION 25,000 REPRESENTATIVE PEOPLE OF KENTUCKY.

ADVISE US OF A CHANCE OF ADDRESS.

MAILED TO ANY CITIZEN OF THE STATE FOR THE ASKING.

PRESERVE THIS BULLETIN.

LIST OF PUBLICATIONS OF THE STATE BOARD OF HEALTH

That May Be Secured Upon Request:

MONTHLY BULLETINS.
BIENNIAL REPORTS.
PREVENTIVE DISEASE, CIRCULARS ON

Consumption,
Typhoid Fever,
Scarlet Fever,
Smallpox,
Diphtheria,

Opthalmia Neonatorum,
Measles,
Whooping Cough,
Kentucky Sanitary Privy.

BUREAU OF VITAL STATISTICS—Reminders.

Physicians are required to report births within ten days to the local registrar in whose district the birth occurs.

Failure to report births may deprive the individual of personal, social or property rights and is a violation of law.

Undertakers or persons acting as such are required to secure a complete death certificate before they can secure a permit to bury a body.

Failure to secure a certificate of death which gives the cause of death and family history, may deprive a widow or orphan of a pension or insurance fund, prevent the State Board of Health from locating an epidemic which it can stop, cause the spread of disease and is a violation of law.

Local registrars should inform the State Registrar of violations of the law, giving names and addresses and the facts.

If an epidemic occurs in a community local registrars should inform the State Registrar, that the State Board of Health may take steps at once to stop the spread of the disease.

MAKE REPORTS PROMPTLY ON THE TENTH
OF THE MONTH.

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Bulletin of the State Board of Health of Kentucky

Louisville, Kentucky, April 1, 1924.

Dr. A. T. McCormack, Secretary,
State Board of Health,
Louisville, Kentucky.
Dear Sir:

The Bureau of Vital Statistics submits herewith the preliminary report of Birth and Death Statistics for 1923. Delays received to March 1st are included. Tabulations containing further delays may change slightly the figures herein contained.

J. F. BLACKERBY,
State Registrar.

A total of 96,868 certificates was received and filed during the year. This is the largest number of certificates recorded in any year since the Bureau was established by Act of the General Assembly of 1910. We are inclined to attribute this to the public interest developed in birth and death registration, and increased efficiency of our Local Registrars' organization, rather than increase in events. The certificates received were divided as follows: Deaths, 29,566; Births, 65,062; Stillbirths, 2,240.

The death rate for 1923 was 12.2 per thousand population, being 11.5 for whites, and 18.5 for colored, and is the highest rate that has obtained since 1919, the second year of the influenza epidemic. This accords with the reported trend toward a higher death rate for the entire U. S. registration area for the year.

The preventable diseases contributing to this increased rate were Pneumonia, Whooping Cough, Measles, Typhoid Fever, Infantile Diarrhoea and Influenza. Very decided increases are recorded in the rates for Whooping Cough, Measles and Infantile Diarrhoea, which are responsible for the infant mortality rate of 70 per thousand births, as against 64 and 59 for 1922 and 1921, respectively.

On account of the apparent recurrence of

influenza in 1922, as indicated by the death returns, warning was issued to physicians and the public late in 1922 to employ as widely as possible the use of Influenza and Cold vaccines as a means of checking this threatening epidemic. The large amount of vaccine furnished by the Laboratory of the State Board of Health showed that this warning was being heeded, but notwithstanding, the Influenza rate of 1923 was nearly double that for 1922, and carried a corresponding increase in the Pneumonia rate.

An unusual condition was noted in the widespread prevalence of Typhoid Fever during the fall and winter months, bringing the rate for the year slightly above that for 1922.

Tuberculosis remained practically stationary, while Cancer continued its tendency toward a higher rate.

A new record for birth registration was established this year with a total report of 65,062 live births, being over 500 more than for the previous record year of 1913. The total rate is 27.5 per one thousand population, and the increase is in white births, as the colored births are constantly decreasing year by year. As is usual, the death rate among negroes is greater than the birth rate.

Male births among both white and blacks

continue to outnumber the females by nearly 10 per cent.

There were 1,097 cases of twins and 18 cases of triplets reported for the year, which was an unusual number for both.

The increased number of stillbirths reported was probably due to the fact that special attention was given this subject at the instigation of the U. S. Census Bureau.

A survey and test of our birth registration

was made in 1923 by Special Agents detailed from the U. S. Census Bureau, and it was found that we were having reported well over the required 90% of the births occurring.

In co-operation with the Census Bureau, we will shortly begin mailing certificates of registration to all mothers who have births reported, and we anticipate that this will speedily bring our birth registration close to the 100% mark.

TABLE 1—1922.

Preliminary Report of Deaths and Rates for White and Colored.

Estimated population	Total 2,416,630		White 2,180,692		Colored 235,938	
	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total deaths (exclusive of stillbirths)	26,483	11.0	22,245	10.2	4,238	17.9
Important Ages						
Under 1 year	4,290		3,777		513	
1 to 5 years	1,826		1,610		216	
65 years and over	8,127		7,016		1,111	
Important Diseases						
Tuberculosis (all forms)	3,170	131.1	2,518	115.4	652	276.3
Pneumonia	2,533	104.8	2,088	95.7	445	186.9
Whooping Cough	124	5.1	112	5.1	12	5.0
Diphtheria—croup	498	20.6	467	21.4	31	13.0
Scarlet fever	33	1.3	32	1.4	1	.4
Meningitis	340	14.0	310	14.6	30	12.7
Measles	96	3.9	82	3.7	14	5.9
Typhoid fever	458	18.9	397	18.2	61	25.9
Diarrhoea—enteritis (infant)	832	34.4	756	34.6	76	32.2
Diarrhoea—dysentery (adult)	485	20.0	391	17.9	94	39.8
Influenza (lagrippe)	1,098	45.4	948	43.4	150	63.5
Puerperal septicemia	143	5.9	120	5.5	23	9.7
Malaria	62	2.5	56	2.5	6	2.5
Infantile paralysis	22	.9	19	.8	3	1.2
Syphilis	108	4.0	60	2.7	48	20.3
Cancer	1,324	54.7	1,176	53.0	148	62.7
Violence	1,803	74.6	1,515	69.4	288	122.0
Pellagra	70	2.9	62	2.8	8	3.3

TABLE 1—1923.

Preliminary Report of Deaths and Rates for White and Colored.

Estimated population	Total 2,416,630		White 2,180,692		Colored 235,938	
	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total deaths (exclusive of stillbirths)	29,566	12.2	25,205	11.5	4,361	18.5
Important Ages						
Under 1 year	4,593		4,048		545	
1 to 5 years	2,214		1,979		235	
65 years and over	9,014		8,108		906	
Important Diseases						
Tuberculosis (all forms)	3,165	130.9	2,557	117.2	608	257.6
Pneumonia	2,968	122.8	2,461	112.8	507	214.8
Whooping Cough	364	15.0	290	13.2	74	31.3
Diphtheria—croup	357	10.6	342	15.6	15	6.3
Scarlet fever	44	1.8	43	1.9	1	.4
Meningitis	323	13.3	306	14.0	17	7.2
Measles	373	15.4	345	15.8	28	11.1
Typhoid fever	472	19.5	413	18.9	59	25.0
Diarrhoea—enteritis (infant)	1,103	45.6	1,084	49.7	119	50.4
Diarrhoea—dysentery (adult)	513	21.2	433	19.8	80	33.9
Influenza (lagrippe)	2,029	83.9	1,777	81.4	252	105.1
Puerperal septicemia	148	6.1	131	6.0	17	7.2
Malaria	46	1.9	37	1.7	9	3.8
Infantile paralysis	17	.7	15	.6	2	.8
Syphilis	141	5.8	79	3.6	62	26.2
Cancer	1,386	57.3	1,233	56.5	153	64.8
Violence	1,916	79.2	1,588	72.8	328	139.0
Pellagra	66	2.7	62	2.8	4	1.7

TABLE 2.

WHITE AND COLORED DEATHS IN ELEVEN CITIES.

1922	All Deaths.	Rate Per Thousand.	Tuberculosis (All Forms).	Pneumonia.	Whooping Cough.	Diphtheria.	Measles.	Typhoid Fever.	Diarrhoea (Under 2 Yrs.)	Influenza.	Cancer.	Violence.	Malaria.
11 Ky. Cities—Total.....	7,313	15.8	712	709	12	65	32	55	137	193	481	512	4
White	5,487	14.3	478	497	9	48	28	39	108	141	414	400	3
Black	1,826	23.8	234	212	3	17	4	16	29	52	67	112	1
Ashland—Total	261	17.7	24	36	1	2	0	1	12	4	18	39	0
White	246	17.2	23	33	1	2	0	1	12	4	17	36	0
Black	15	30.6	1	3	0	0	0	0	0	0	1	3	0
Newport—Total	327	11.1	23	35	0	2	0	0	1	8	27	12	0
White	305	10.7	22	30	0	2	0	0	1	8	27	10	0
Black	22	25.4	1	5	0	0	0	0	0	0	0	2	0
Hopkinsville—Total	198	20.4	36	14	0	1	0	3	2	11	15	9	0
White	94	15.5	9	4	0	0	0	1	1	5	8	6	0
Black	104	28.4	27	10	0	1	0	2	1	6	7	3	0
Owensboro—Total	367	21.0	50	28	5	2	0	5	10	21	17	22	0
White	296	20.2	36	24	3	0	0	5	8	16	16	15	0
Black	71	26.8	14	4	2	2	0	0	2	5	1	7	0
Lexington—Total	923	22.2	99	75	2	6	2	8	11	20	48	66	0
White	605	20.8	65	45	1	3	1	3	8	14	35	47	0
Black	318	25.5	34	30	1	3	1	5	3	6	13	19	0
Frankfort—Total	169	17.3	27	9	1	1	3	1	7	9	10	6	0
White	118	15.6	17	8	1	0	3	0	5	5	9	5	0
Black	51	22.7	10	1	0	1	0	1	2	4	1	1	0
Henderson—Total	163	13.4	17	9	1	2	1	1	10	5	12	17	0
White	98	10.6	4	8	1	2	1	0	4	4	8	12	0
Black	65	21.8	13	1	0	0	0	1	6	1	4	5	0
Louisville—Total	3,549	13.8	304	378	2	35	19	19	62	67	249	257	0
White	2,594	12.1	208	245	1	26	17	15	49	43	215	199	0
Black	955	22.1	96	133	1	9	2	4	13	24	34	58	0
Covington—Total	796	13.9	65	79	0	8	5	2	10	23	59	48	0
White	734	13.6	56	70	0	7	4	1	10	22	58	42	0
Black	62	20.3	9	9	0	1	1	1	0	1	1	6	0
Paducah—Total	382	15.4	44	35	1	6	0	7	9	12	16	21	3
White	272	14.2	27	22	1	6	0	6	7	10	13	18	2
Black	110	19.5	17	13	0	0	0	1	2	2	3	3	1
Bowling Green—Total	178	18.4	23	11	0	0	2	8	3	13	10	15	1
White	125	16.5	11	8	0	0	2	7	3	10	8	10	1
Black	53	20.5	12	3	0	0	0	1	0	3	2	5	0

TABLE 2.

WHITE AND COLORED DEATHS IN ELEVEN CITIES.

1923	All Deaths.	Rate Per Thousand.	Tuberculosis (All Forms).	Pneumonia.	Whooping Cough.	Diphtheria.	Measles.	Typhoid Fever.	Diarrhoea (Under 2 Yrs.)	Influenza.	Cancer.	Violence.	Malaria.
11 Ky. Cities—Total.....	8,122	17.5	703	889	92	45	38	55	233	318	504	547	10
White	6,322	16.5	497	637	69	45	32	39	191	238	431	417	7
Black	1,800	23.6	206	252	23	0	6	16	42	80	73	130	3
Ashland—Total	361	24.5	21	31	8	2	10	1	25	20	22	45	0
White	346	24.3	19	30	7	2	9	1	25	19	20	44	0
Black	15	25.9	2	1	1	0	1	0	0	1	2	1	0
Newport—Total	307	10.4	30	38	4	3	2	5	13	20	25	15	0
White	283	9.9	26	33	4	3	2	5	11	20	25	12	0
Black	24	27.9	4	5	0	0	0	0	2	0	0	3	0
Hopkinsville—Total	179	18.4	18	19	2	2	1	1	6	14	5	4	0
White	90	14.7	5	5	0	2	0	0	3	5	3	2	0
Black	89	24.0	13	14	2	0	1	1	3	9	2	2	0
Owensboro—Total	367	21.0	31	27	1	5	5	4	24	17	20	23	0
White	302	20.4	22	24	1	5	5	3	22	15	17	20	0
Black	65	22.2	9	3	0	0	0	1	2	2	3	3	0
Lexington—Total	949	22.8	90	98	7	2	0	4	23	29	56	51	2
White	696	23.9	49	49	0	2	0	1	25	18	41	36	2
Black	253	20.2	41	49	7	0	0	3	8	11	15	15	0
Frankfort—Total	193	20.2	24	11	1	2	0	2	9	23	9	11	0
White	143	18.8	15	9	1	2	0	2	4	17	6	8	0
Black	55	23.9	9	2	0	0	0	0	5	6	3	3	0
Henderson—Total	177	14.5	17	15	3	0	1	1	8	7	10	11	0
White	112	12.2	7	10	2	0	0	0	7	4	8	7	0
Black	65	21.6	10	5	1	0	1	1	1	3	2	4	0
Louisville—Total	4,149	16.3	293	496	50	19	10	13	101	115	272	306	5
White	3,187	15.1	215	358	41	19	9	9	77	80	233	228	3
Black	962	22.1	78	140	9	0	1	4	24	35	39	78	2
Covington—Total	864	23.2	68	100	5	4	3	14	11	43	59	47	0
White	780	15.2	63	87	5	4	2	13	10	40	58	35	0
Black	84	27.6	5	13	0	0	1	1	1	3	1	12	0
Paducah—Total	433	21.7	58	40	9	5	6	3	9	18	17	26	3
White	273	14.3	27	22	6	5	5	1	4	10	12	18	2
Black	160	10.2	31	18	3	0	1	2	5	8	5	8	1
Bowling Green—Total ..	138	14.0	53	12	2	1	0	7	4	12	9	8	0
White	110	14.7	49	10	2	1	0	4	3	10	8	7	0
Black	28	13.3	4	2	0	0	0	3	1	2	1	1	0

TABLE 3—SHOWING PREVENTABLE SICKNESS AND DEATHS.

	Cases		Deaths	
	1922	1923	1922	1923
Tuberculosis (all forms)	19,020	18,990	3,170	3,165
Pneumonia	30,396	47,616	2,533	2,968
Infantile diarrhoea	16,640	22,060	832	1,103
Typhoid fever	6,870	7,080	458	472
Diarrhoea—dysentery (over 2 years).....	12,125	12,825	485	513
Diphtheria—croup	4,980	3,570	498	357
Measles	4,800	18,650	96	373
Whooping cough	6,200	18,200	124	364
Cancer			1,324	1,386
Violence			1,803	1,916
Total deaths			26,483	29,566

State Institutions.

Central State Hospital (Lakeland).
 Eastern State Hospital (Lexington).
 Kentucky House of Reform (Greendale).
 Kentucky State School for Girls (Greendale).
 State Institution for the Feeble-Minded (Frankfort).
 State Penitentiary (Eddyville).
 State Reformatory (Frankfort).
 Western State Hospital (Hopkinsville).
 Kentucky School for the Deaf (Danville).
 Kentucky Institution for the Blind (Louisville).
 Kentucky Children's Home Society (Inc.) (Louisville).
 Kentucky Confederate Home (Pewee Valley).
 State Tuberculosis Sanatorium (Hazelwood).

Ratio Existing Between Cases and Deaths.

Tuberculosis1 death out of each 6 cases.
 Pneumonia1 death out of each 12 cases.
 Whooping cough1 death out of each 50 cases.
 Diphtheria—croup1 death out of each 10 cases.
 Scarlet fever1 death out of each 40 cases.
 Measles1 death out of each 50 cases.
 Typhoid fever1 death out of each 15 cases.
 Diarrhoea (infants)1 death out of each 20 cases.
 Diarrhoea (adults)1 death out of each 25 cases.

Prof. Fisher's estimated cost per case including time \$94.00

Prof. Fisher's estimated value of each life (deaths) 1,700.00

TABLE 4—DEATH RATE PER 100,000 POPULATION FOR EACH COUNTY

COUNTIES	Tuberculosis (All Forms) 1922	Typhoid Fever 1922	Preventable Diseases 1922	Tuberculosis (All Forms) 1923	Typhoid Fever 1923	Preventable Diseases 1923
State of Ky.	131.1	18.9	402.9	130.9	19.5	485.3
Adair	109.8	40.4	323.9	180.0	5.7	503.2
Allen	184.8	23.8	448.0	120.2	29.0	566.0
Anderson	200.1	50.1	540.9	120.0	0.0	414.8
Ballard	141.1	16.6	498.1	133.3	8.3	433.9
Barren	142.0	19.7	473.2	122.1	31.0	625.2
Bath	183.4	34.0	475.1	222.6	33.3	641.4
Bell	100.0	8.8	308.9	73.6	8.8	514.1
Boone	104.4	10.4	282.0	104.5	0.0	271.4
Bourbon	179.1	16.2	510.3	174.0	21.8	548.1

COUNTIES	Tuberculosis (All Forms) 1922	Typnoid Fever 1922	Preventable Diseases 1922	Tuberculosis (All Forms) 1923	Typnoid Fever 1923	1923 Preventable Diseases
Boyd	111.5	3.1	402.9	106.0	6.8	716.8
Boyle	153.3	20.0	413.3	153.0	13.3	479.3
Bracken	176.3	0.0	293.8	156.9	9.8	500.0
Breathitt	82.4	19.4	213.3	34.0	19.4	257.4
Breckinridge	81.4	10.0	396.7	158.4	45.5	572.7
Bullitt	139.3	0.0	536.0	182.3	64.5	634.9
Butler	125.0	13.2	309.2	86.1	6.2	272.2
Caldwell	143.1	21.4	422.1	185.7	7.1	550.0
Calloway	120.1	24.0	380.1	115.3	4.8	340.4
Campbell	90.5	0.0	281.2	109.9	11.3	372.4
Carlisle	72.8	24.1	352.3	145.8	0.0	659.7
Carroll	131.8	0.0	407.3	202.0	48.4	650.0
Carter	133.5	44.0	418.2	115.5	40.0	563.8
Casey	87.1	17.4	238.1	163.0	11.6	465.0
Christian	287.0	27.8	641.0	382.6	13.9	710.2
Clark	117.3	22.0	407.8	167.7	27.9	502.5
Clay	50.5	0.0	166.7	70.6	10.1	242.0
Clinton	81.3	34.9	349.2	58.1	11.6	290.4
Crittenden	137.1	22.8	396.1	137.2	37.0	550.0
Cumberland	93.9	0.0	244.1	113.1	18.8	309.1
Daviess	193.9	31.9	542.5	137.4	17.2	512.8
Edmonson	165.2	18.3	367.1	110.1	22.7	449.2
Elliott	56.2	0.0	213.8	157.2	51.2	336.3
Estill	89.9	32.1	391.8	96.3	0.0	410.0
Fayette	204.8	12.8	576.0	200.6	7.3	650.0
Fleming	211.3	19.2	550.8	166.8	19.2	576.3
Floyd	43.7	10.9	175.0	32.8	21.9	336.1
Franklin	196.3	5.1	511.4	174.9	15.5	629.5
Fulton	111.2	26.3	467.1	110.4	13.2	565.8
Gallatin	171.5	0.0	364.5	174.1	0.0	510.3
Garrard	119.9	0.0	271.9	87.0	16.0	344.2
Grant	182.0	0.0	402.4	125.0	38.3	518.6
Graves	237.0	43.0	575.4	196.7	18.5	509.7
Grayson	85.3	30.1	336.2	105.0	25.1	429.1
Green	70.2	26.3	193.1	211.3	43.9	385.2
Greenup	119.6	9.1	363.8	120.0	35.0	534.8
Hancock	129.5	14.4	388.7	116.1	14.3	463.6
Hardin	119.4	20.5	296.4	70.0	8.3	226.3
Harlan	66.5	60.2	478.6	85.9	25.2	647.2
Harrison	177.2	19.8	455.8	177.1	12.6	620.5
Hart	80.8	70.1	328.9	124.4	21.6	324.1
Henderson	159.0	7.2	470.8	119.5	14.5	413.9
Henry	149.0	0.0	350.4	127.0	7.4	499.2
Hickman	156.1	9.7	449.9	127.0	19.6	509.1
Hopkins	158.2	46.8	533.2	163.9	38.1	691.2
Jackson	77.0	8.6	410.7	68.3	8.5	160.6
Jefferson	151.5	6.6	438.9	148.9	5.9	520.8
Jessamine	147.4	16.4	352.3	163.8	16.4	434.6
Johnson	112.1	35.7	372.0	117.2	56.0	530.0
Kenton	123.8	2.7	404.3	112.9	20.2	447.2
Knott	94.3	42.9	396.4	51.7	0.0	340.9
Knox	86.8	12.4	351.6	103.1	12.4	549.6
Larue	189.9	9.9	389.8	180.0	20.0	340.0
Laurel	116.0	20.1	423.9	45.4	15.1	414.1
Lawrence	136.0	22.6	413.3	79.0	45.5	454.8
Lee	33.5	16.8	142.6	58.9	16.8	159.5
Leslie	89.1	29.7	297.0	80.0	0.0	400.0
Letcher	24.5	16.3	196.2	44.9	17.9	356.0
Lewis	138.9	0.0	353.7	139.2	6.5	500.4
Lincoln	138.0	12.1	427.4	97.1	24.2	509.3

COUNTIES	Tuberculosis (All Forms) 1922	Typhoid Fever 1922	Preventable Diseases 1922	Tuberculosis (All Forms) 1923	Typhoid Fever 1923	Preventable Diseases 1923
Livingston	164.4	0.0	390.4	123.7	10.2	515.1
Logan	148.0	38.0	406.2	135.6	38.1	466.2
Lyon	113.7	22.7	204.6	170.4	11.3	363.7
McCracken	153.0	24.1	542.0	198.9	10.7	601.3
McCreary	8.5	0.0	222.6	34.1	0.0	298.8
McLean	183.9	23.9	535.9	80.0	24.0	544.3
Madison	159.7	15.2	403.2	113.2	19.0	456.8
Magoffin	21.6	28.8	187.6	50.3	28.8	381.5
Marion	128.8	6.4	470.6	83.0	32.2	534.6
Marshall	157.8	19.7	466.8	98.6	26.3	512.7
Martin	52.2	39.1	496.4	78.1	13.0	389.7
Mason	135.1	16.8	394.1	190.8	16.8	562.4
Meade	116.5	31.6	444.8	147.3	10.7	617.3
Menifee	190.3	34.6	397.9	122.8	8.6	448.9
Mercer	121.6	48.6	425.8	67.6	20.2	499.6
Metcalfe	158.8	79.3	426.7	109.0	50.0	450.0
Monroe	77.3	14.6	288.4	202.0	28.1	598.3
Montgomery	187.8	16.3	514.4	147.2	32.8	458.1
Morgan	121.0	12.1	320.8	90.0	36.3	477.9
Muhlenberg	131.8	38.6	518.7	155.2	26.9	721.0
Nelson	173.5	0.0	477.1	148.9	18.6	465.1
Nicholas	121.3	11.0	424.5	211.0	30.2	605.2
Ohio	71.7	30.2	336.1	106.3	22.6	436.8
Oldham	156.0	0.0	468.1	91.0	13.0	389.5
Owen	143.3	15.9	342.5	174.8	31.7	603.5
Owsley	89.9	0.0	230.1	76.9	12.8	230.6
Pendleton	145.0	0.0	426.6	128.1	0.0	402.1
Perry	73.0	23.0	410.8	84.6	46.2	718.7
Pike	78.8	34.3	381.9	94.9	48.4	532.3
Powell	103.7	44.5	370.6	44.8	29.4	268.7
Pulaski	70.5	8.8	387.6	141.0	14.7	426.1
Robertson	103.3	51.6	335.8	131.8	0.0	461.8
Rockcastle	64.9	0.0	272.5	71.4	25.4	363.8
Rowan	221.8	42.2	612.8	157.8	10.5	526.7
Russell	109.6	16.8	253.0	67.3	8.4	336.5
Scott	156.6	6.5	489.6	150.0	10.8	460.0
Shelby	59.3	10.7	372.3	145.8	5.4	638.2
Simpson	233.3	35.8	627.8	144.0	36.0	642.3
Spencer	154.1	0.0	526.6	140.9	25.6	652.1
Taylor	81.7	8.1	310.5	242.8	16.4	754.1
Todd	95.5	12.7	414.1	140.0	19.1	455.0
Trigg	154.8	21.1	211.1	258.9	0.0	415.2
Trimble	133.0	16.6	432.5	87.4	33.3	400.0
Union	88.6	49.8	426.7	116.6	0.0	510.8
Warren	258.8	76.7	554.2	139.5	55.1	572.4
Washington	33.7	0.0	318.1	94.6	13.0	398.3
Wayne	104.8	24.6	302.3	117.2	24.7	470.0
Webster	120.4	38.5	582.4	153.7	33.6	600.0
Whitley	86.5	18.0	356.8	90.6	10.8	317.1
Wolfe	68.3	0.0	79.6	68.3	0.0	250.0
Woodford	195.1	33.9	586.2	93.2	16.9	558.0

TABLE 5—TOTAL DEATHS REPORTED AND RATE PER 1,000 POPULATION FOR FIVE YEARS.

1919-1923.

	1919		1920		1921		1922		1923	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Kentucky	30,900	12.8	28,823	12.0	26,266	10.9	26,483	11.0	29,566	12.2
COUNTIES										
Adair	218	12.2	154	8.9	171	9.8	157	9.1	180	10.4
Allen	205	13.6	190	11.3	168	10.0	175	10.4	193	11.5
Anderson	159	15.5	118	11.8	88	8.6	109	10.9	109	10.9
Ballard	108	7.5	116	9.7	103	8.5	135	11.0	105	8.7
Barren	338	12.5	326	12.8	297	11.7	277	10.9	326	12.4
Bath	191	13.5	160	13.3	148	12.4	136	11.3	171	14.2
Bell	306	7.8	299	8.9	352	10.4	286	8.4	373	10.9
Boone	102	10.8	129	13.5	86	8.9	109	11.3	114	11.9
Bourbon	314	17.9	295	15.9	256	13.9	288	15.6	269	14.6
Boyd	376	13.7	411	14.6	394	13.4	356	12.1	515	17.5
Boyle	226	14.0	229	15.3	233	15.4	195	13.0	207	13.8
Bracken	110	10.6	134	13.2	108	10.5	88	8.6	123	12.0
Breathitt	137	6.8	127	6.3	115	5.7	96	4.6	105	5.1
Breckinridge	202	9.4	227	11.6	188	9.6	201	10.2	245	12.4
Bullitt	101	10.6	122	13.0	100	10.7	134	14.3	121	12.8
Butler	122	7.7	122	8.1	85	5.7	97	6.3	99	6.5
Caldwell	170	12.1	175	12.5	158	11.3	138	9.8	165	11.8
Calloway	206	9.4	190	9.5	186	6.1	176	8.5	162	7.7
Campbell	719	11.1	718	11.1	614	9.9	716	11.8	718	11.6
Carlisle	83	9.1	89	11.0	86	10.5	83	10.0	96	11.6
Carroll	118	14.5	122	14.6	106	12.7	109	11.8	117	14.0
Carter	305	13.0	256	11.3	272	12.1	222	9.8	254	11.3
Casey	127	8.1	137	8.0	131	7.6	118	6.8	162	9.4
Christian	771	19.4	654	18.3	610	17.0	627	17.4	532	14.7
Clark	305	15.8	318	18.3	257	14.8	238	13.2	274	15.3
Clay	152	7.2	118	6.0	108	5.5	103	5.2	104	5.3
Clinton	46	5.4	63	7.3	54	6.3	53	6.1	57	6.6
Crittenden	134	10.0	101	7.6	120	9.3	117	8.8	144	10.9
Cumberland	72	6.7	77	7.2	64	6.1	71	6.6	72	6.2
Daviess	605	14.0	581	14.2	471	11.0	568	13.9	549	13.4
Edmonson	124	11.6	91	8.4	86	7.9	88	7.4	114	10.5
Elliott	110	11.2	87	9.9	77	8.7	60	6.7	70	7.8
Estill	100	7.8	99	6.3	116	7.4	117	7.4	106	6.1
Fayette	1,142	21.6	1,030	18.9	1,025	18.7	1,054	19.2	1,088	19.3
Fleming	216	13.4	196	12.6	178	11.4	210	13.4	203	13.0
Floyd	96	4.5	132	4.9	115	4.2	110	4.0	187	6.8
Franklin	280	13.1	265	13.6	251	12.9	266	13.7	293	15.1
Fulton	181	11.1	215	14.1	210	14.4	168	10.9	183	12.0
Gallatin	42	8.9	41	8.7	28	3.4	51	10.5	54	11.5
Garrard	161	13.5	124	9.9	123	9.8	121	9.6	110	8.7
Grant	151	14.3	124	11.9	120	11.5	112	10.5	148	14.1
Graves	380	11.2	414	12.7	403	12.4	411	12.6	359	11.0
Grayson	225	11.2	174	8.7	149	7.4	130	6.5	157	7.8
Green	106	8.9	86	7.6	77	6.7	66	5.8	107	9.3
Greenup	251	11.9	242	11.9	211	10.5	188	9.3	244	12.1
Hancock	89	10.5	96	13.9	67	9.7	80	11.5	76	10.9
Hardin	300	13.2	238	9.8	179	7.4	169	6.9	163	6.7

TOTAL DEATHS REPORTED AND RATES PER 1,000 POPULATION FOR FIVE YEARS.

1919-1923—Continued.

	1919		1920		1921		1922		1923	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
COUNTIES										
Harlan	334	29.9	441	14.0	425	13.5	377	11.9	460	14.5
Harrison	208	12.3	223	14.1	197	12.4	199	12.6	217	13.7
Hart	204	11.2	148	8.0	155	8.4	149	8.0	146	7.8
Henderson	402	13.7	387	14.0	340	12.3	361	13.3	361	13.0
Henry	208	15.2	180	14.9	154	11.5	150	11.1	181	13.4
Hickman	118	10.0	142	13.9	79	7.8	113	11.0	100	9.7
Hopkins	447	12.0	457	13.5	392	11.5	456	13.3	480	14.0
Jackson	75	6.9	65	5.6	62	5.4	59	5.0	44	3.7
Jefferson	4,870	16.9	4,331	15.1	4,040	14.1	4,171	14.5	4,801	10.7
Jessamine	212	16.0	152	12.4	134	11.0	119	9.7	146	11.1
Johnson	201	9.7	201	10.2	162	8.3	179	9.1	214	10.9
Kenton	918	13.4	1,056	14.4	912	12.4	1,024	13.9	1,044	14.2
Knott	114	9.1	92	7.9	87	7.4	95	8.1	74	6.3
Knox	340	13.0	284	11.7	294	12.1	222	9.1	173	7.1
Larue	113	10.4	132	13.2	78	7.8	90	8.9	104	10.3
Laurel	154	7.0	164	8.3	154	7.8	163	8.2	161	8.1
Lawrence	169	8.2	176	10.0	195	11.0	175	9.9	176	9.9
Lee	84	7.8	62	5.2	31	2.6	48	4.0	50	4.2
Leslie	79	7.3	85	8.4	67	6.7	78	7.7	85	8.4
Letcher	172	14.5	164	6.7	115	7.9	159	6.4	205	8.3
Lewis	234	13.8	223	14.1	174	11.0	147	9.2	175	11.0
Lincoln	255	13.7	266	16.1	211	12.8	194	11.7	212	12.8
Livingston	115	10.8	103	10.6	91	9.4	83	8.5	84	8.6
Logan	254	10.1	273	11.6	246	10.4	237	10.0	286	12.1
Lyon	92	9.6	69	7.9	62	7.1	61	6.9	91	10.3
McCracken	583	14.4	509	13.7	512	13.7	507	13.6	561	15.0
McCreary	104	13.0	100	8.6	71	6.1	55	4.6	93	7.9
McLean	148	10.6	162	12.9	133	10.7	148	11.8	148	11.8
Madison	335	11.9	322	12.8	300	11.4	280	10.6	305	11.6
Magoffin	96	6.3	87	6.3	106	7.7	72	5.1	104	7.5
Marion	296	18.0	208	13.4	187	11.9	196	12.6	211	13.5
Marshall	133	7.6	160	10.5	118	5.0	134	8.8	145	9.5
Martin	39	4.6	51	6.7	39	5.0	70	9.1	72	9.4
Mason	278	14.9	220	12.4	256	14.4	244	13.7	265	14.9
Meade	119	12.1	124	13.2	101	10.6	104	11.0	138	14.6
Menifee	66	10.7	49	8.5	42	7.2	57	9.8	56	9.6
Mercer	193	13.7	168	11.4	141	9.5	157	10.6	161	10.9
Metcalfe	123	11.3	100	9.9	74	7.4	113	11.2	105	10.4
Monroe	200	14.1	150	10.6	124	8.8	125	8.8	162	11.4
Montgomery	163	12.9	147	12.0	120	9.8	137	11.1	150	12.2
Morgan	191	9.4	257	15.6	147	8.9	113	6.8	135	8.1
Muhlenberg	364	10.3	353	10.7	379	11.3	386	11.6	476	14.2
Nelson	259	15.2	239	14.8	182	11.3	201	12.4	205	12.6
Nicholas	168	15.9	109	11.0	124	12.5	129	13.0	132	13.3
Ohio	249	8.9	269	10.2	233	8.8	225	8.5	252	9.5
Oldham	114	15.4	111	14.4	88	11.4	109	12.8	122	15.8
Owen	172	12.1	202	16.0	115	9.2	131	10.0	170	13.5
Owsley	100	11.2	85	10.9	38	4.7	49	5.9	40	5.1
Pendleton	124	10.3	159	13.6	126	10.8	129	11.0	127	10.8
Perry	218	15.8	272	10.5	261	10.5	262	10.0	376	14.4
Pike	454	11.5	430	8.7	383	7.7	439	8.8	511	10.3

TOTAL DEATHS REPORTED AND RATES PER 1,000 POPULATION FOR FIVE YEARS.

1919-1923—Continued.

	1919		1920		1921		1922		1923	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
COUNTIES										
Powell	50	7.9	64	9.6	28	4.2	44	6.5	40	5.0
Pulaski	350	8.7	325	9.6	269	7.6	258	7.5	339	9.9
Robertson	51	12.3	31	7.9	35	9.0	34	8.8	44	11.3
Rockcastle	111	6.8	115	7.6	122	7.9	88	5.0	83	5.3
Rowan	123	11.8	105	11.0	110	11.6	106	11.1	83	8.7
Russell	94	7.9	76	6.4	63	5.3	70	6.7	88	7.4
Scott	214	12.6	183	11.9	154	10.1	204	13.3	219	14.2
Shelby	256	14.1	245	13.3	229	12.4	227	12.2	246	13.2
Simpson	145	12.6	149	13.4	123	11.2	135	12.1	163	14.6
Spencer	114	14.9	71	9.1	71	9.2	76	9.6	111	14.2
Taylor	131	10.3	99	8.1	139	11.4	120	9.8	180	14.7
Todd	264	16.0	213	13.6	199	12.7	191	12.1	176	11.2
Trigg	186	12.4	177	12.5	118	8.3	119	8.4	145	10.2
Trimble	29	4.4	53	8.8	37	6.2	51	8.4	58	9.6
Union	170	8.5	184	10.2	196	10.9	188	14.2	219	12.1
Warren	498	15.7	408	13.3	403	13.3	429	13.9	389	12.6
Washington	122	8.7	99	6.7	110	7.5	95	6.7	97	6.5
Wayne	126	6.3	110	6.8	105	6.5	113	6.9	153	9.4
Webster	249	11.5	246	11.8	251	12.1	241	11.2	275	13.2
Whitley	292	7.7	280	10.1	410	14.7	250	9.0	281	10.1
Wolfe	104	9.6	84	9.6	54	6.3	23	2.6	44	5.0
Woodford	181	14.3	165	14.0	161	13.6	161	13.8	150	12.7

TABLE 6.

1919-1923

INFANT MORTALITY BY MONTHS.

TOTAL DEATHS UNDER 1 YEAR AND RATE PER 1,000 BIRTHS.

	1923		1922		1921		1920		1919	
MONTH	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
January	579	146	394	68	382	67	402	70	527	103
February	417	109	362	66	333	58	479	83	519	104
March	441	104	442	80	354	54	520	87	585	110
April	363	93	305	63	279	46	376	71	372	74
May	311	74	293	55	335	56	254	47	319	64
June	342	100	346	70	481	86	238	46	367	89
July	470	124	346	66	449	82	309	59	405	99
August	459	121	304	56	340	60	374	69	289	71
September	327	91	280	53	282	52	424	77	257	54
October	296	86	389	76	293	53	409	84	344	67
November	258	69	340	77	287	55	354	71	308	64
December	281	68	324	89	208	39	293	68	286	58
Total for year	4,593	70	4,025	64	4,023	59	4,432	70	4,578	80

Totals do not include delayed reports.

TABLE 7—SEASONABLE PREVALENCE OF DANGEROUS COMMUNICABLE DISEASES.

Table will show in advance the time of year when any disease may be expected to increase or decrease in prevalence.

1923	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Pneumonia—												
Estimated No. of cases	7,008	5,616	4,788	3,360	2,256	1,212	840	888	1,080	2,184	2,940	2,916
Deaths	584	468	399	280	188	101	70	74	90	182	245	243
Tuberculosis—												
Estimated No. of cases	2,064	1,926	1,920	1,636	1,776	1,572	1,608	1,530	1,116	1,140	1,356	1,080
Deaths	344	321	320	272	296	262	268	255	186	190	226	180
Typhoid Fever—												
Estimated No. of cases	336	360	345	375	360	435	630	1,245	1,050	900	480	390
Deaths	22	24	23	25	24	29	42	83	70	60	32	26
Diphtheria—												
Estimated No. of cases	400	280	230	170	100	80	70	220	260	650	850	380
Deaths	40	28	23	17	10	8	7	22	26	65	55	38
Whooping Cough—												
Estimated No. of cases	1,220	1,650	1,450	1,500	1,200	1,200	2,450	1,800	1,850	900	1,600	800
Deaths	24	33	29	30	24	24	49	36	37	18	32	16
Measles—												
Estimated No. of cases	2,300	2,400	2,300	2,450	2,300	1,500	1,700	850	450	300	600	650
Deaths	46	48	46	59	46	30	34	17	9	6	12	13
Diarrhoea (under 2 yrs.)												
Estimated No. of cases	380	340	400	380	380	2,620	6,340	4,660	3,120	1,620	760	260
Deaths	19	17	20	19	19	131	317	233	156	81	38	13
Dysentery (over 2 yrs.)—												
Estimated No. of cases	425	475	725	550	600	2,050	2,825	1,900	925	1,000	775	450
Deaths	17	19	29	22	24	82	113	76	37	40	31	18

Totals do not include delayed reports.

TABLE 8.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 Year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria—Croup.
State of Ky.....1922	2,416,630	26,483	11.0	64.8	4,290	1,826	8,127	2,807	363	2,533	124	498
1923	2,416,630	29,566	12.2	70.5	4,593	2,214	9,014	2,867	298	2,968	364	357
Adair .....1922	17,289	157	9.1	51.8	25	18	43	18	1	12	0	1
1923	17,289	180	10.4	69.1	32	21	65	31	1	11	3	7
Allen .....1922	16,761	175	10.4	71.6	31	13	66	29	3	19	0	2
1923	16,761	193	11.5	72.1	29	16	74	20	1	29	8	1
Anderson .....1922	9,982	109	10.9	75.4	20	3	34	18	2	9	0	4
1923	9,982	109	10.9	58.6	14	10	52	12	0	10	1	3
Ballard .....1922	12,045	133	11.0	74.7	22	12	34	16	1	23	0	3
1923	12,045	105	8.7	47.6	14	5	36	15	1	15	1	0
Barren .....1922	25,356	277	10.9	58.6	36	15	90	45	1	37	0	1
1923	25,356	326	12.4	94.4	58	29	105	29	2	44	1	2
Bath .....1922	11,996	136	11.3	60.8	21	10	44	18	4	22	1	4
1923	11,996	171	14.2	57.4	20	15	60	27	0	18	1	2
Bell .....1922	33,988	286	8.4	69.1	66	24	43	32	2	23	2	6
1923	33,988	373	10.9	91.8	102	51	53	22	3	47	8	2
Boone .....1922	9,572	109	11.3	35.3	6	3	59	9	1	7	0	0
1923	9,572	114	11.9	45.6	9	4	65	10	0	8	0	0
Bourbon .....1922	18,418	288	15.6	155.5	35	17	88	30	3	30	1	5
1923	18,418	269	14.6	94.3	30	17	92	29	3	21	1	3
Boyd .....1922	29,281	356	12.1	66.4	60	30	93	27	9	45	1	2
1923	29,281	515	17.5	85.2	106	59	112	27	4	48	10	2
Boyle .....1922	14,998	195	13.0	75.8	27	10	75	22	1	16	3	4
1923	14,998	207	13.8	65.6	23	16	88	20	3	24	4	1
Bracken .....1922	10,210	88	8.6	41.0	9	4	38	17	1	4	0	0
1923	10,210	123	12.0	78.3	17	10	49	13	3	16	0	1
Breathitt .....1922	20,614	96	4.6	33.8	20	11	7	15	2	5	0	2
1923	20,614	105	5.1	30.8	20	17	15	7	0	8	0	9
Breckinridge .....1922	19,652	201	10.2	60.7	33	20	72	15	1	17	2	6
1923	19,652	245	12.4	87.4	50	13	73	31	0	27	1	4
Bullitt .....1922	9,328	134	14.3	86.0	24	15	51	11	2	10	0	6
1923	9,328	121	12.8	75.1	15	9	49	10	1	17	0	2
Butler .....1922	15,197	96	6.3	52.1	16	10	31	18	1	9	0	1
1923	15,197	99	6.5	26.4	7	5	44	13	0	9	0	2
Caldwell .....1922	13,975	138	9.8	48.9	17	8	43	16	4	14	0	2
1923	13,975	165	11.8	49.0	15	9	58	25	1	13	3	1
Calloway .....1922	20,802	176	8.5	57.6	26	8	65	21	4	9	1	2
1923	20,802	162	7.7	45.2	23	15	56	23	1	14	0	1
Campbell .....1922	61,868	716	11.4	68.0	80	21	244	46	10	69	0	4
1923	61,868	718	11.6	83.4	94	20	245	58	10	75	10	5
Carlisle .....1922	8,231	83	10.0	82.9	18	5	28	5	1	9	0	2
1923	8,231	96	11.6	80.0	14	10	34	9	3	13	3	0
Carroll .....1922	8,346	109	13.0	63.9	11	4	49	10	1	8	0	4
1923	8,346	117	14.0	77.7	15	34	58	15	2	13	9	10
Carter .....1922	22,474	222	9.8	84.1	58	26	49	25	4	11	1	8
1923	22,474	254	11.3	81.4	69	41	59	22	4	31	2	2
Casey .....1922	17,213	118	6.8	41.4	23	5	36	14	1	12	1	10
1923	17,213	162	9.4	46.3	25	12	45	27	1	12	3	3

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea—Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
State of Ky.....1922	33	340	96	458	832	485	1,098	143	1,324	1,803	40
1923	44	323	373	472	1,103	513	2,029	148	1,386	1,916	40
Adair .....1922	2	2	1	7	4	3	7	2	7	6	35
1923	1	1	0	1	6	3	17	2	9	11	45
Allen .....1922	1	1	1	4	8	3	6	0	9	1	44
1923	0	1	6	5	3	6	16	2	8	9	49
Anderson .....1922	0	3	0	5	2	2	8	0	6	5	52
1923	0	0	0	0	2	2	12	0	11	5	37
Ballard .....1922	0	1	0	2	5	3	2	1	3	7	46
1923	0	0	3	1	2	4	4	0	2	8	44
Barren .....1922	0	3	0	5	10	1	24	1	11	6	45
1923	1	0	7	8	18	5	43	0	11	15	49
Bath .....1922	0	1	0	4	2	0	2	0	3	5	43
1923	2	1	4	4	2	2	10	-----	8	5	45
Bell .....1922	0	4	2	3	10	4	12	3	9	43	34
1923	2	4	9	3	30	7	32	0	15	40	46
Boone .....1922	0	1	0	1	1	4	2	8	4	4	27
1923	0	1	0	0	3	0	4	0	9	8	21
Bourbon .....1922	1	2	1	3	8	6	10	1	15	11	42
1923	1	5	0	1	8	4	21	2	9	14	37
Boyd .....1922	0	3	0	1	15	4	6	1	21	51	39
1923	2	8	13	2	46	7	30	2	24	57	41
Boyle .....1922	0	1	0	3	4	2	6	0	12	9	35
1923	0	1	1	2	7	3	6	0	11	11	35
Bracken .....1922	1	0	0	0	2	0	4	0	5	2	37
1923	0	5	0	1	1	2	9	5	8	0	41
Breathitt .....1922	0	2	0	4	7	2	6	1	1	12	50
1923	0	2	3	4	6	3	8	4	2	18	50
Breckinridge .....1922	0	5	1	2	9	8	9	1	9	11	42
1923	0	4	0	9	8	5	20	4	12	9	46
Bullitt .....1922	0	2	1	0	4	2	9	1	3	9	40
1923	0	1	0	6	4	2	14	0	8	5	48
Butler .....1922	0	4	0	2	5	0	6	0	3	6	51
1923	0	0	0	4	2	1	11	0	4	6	36
Caldwell .....1922	0	3	0	3	6	3	10	1	9	17	49
1923	0	1	4	1	2	5	17	2	6	10	49
Calloway .....1922	1	3	0	5	3	5	18	1	18	6	49
1923	1	5	3	1	5	6	11	0	11	7	43
Campbell .....1922	1	6	1	0	4	8	14	1	58	42	28
1923	3	0	2	7	21	8	34	2	74	26	33
Carlisle .....1922	0	3	0	2	3	0	4	1	4	4	38
1923	0	3	1	0	6	0	9	1	7	2	56
Carroll .....1922	1	1	0	0	3	2	7	0	4	0	32
1923	4	6	6	4	22	5	43	4	9	3	46
Carter .....1922	0	2	0	11	17	4	12	1	9	14	45
1923	0	2	2	9	11	5	36	2	8	11	50
Casey .....1922	0	3	0	3	4	3	5	0	4	5	38
1923	0	1	4	2	5	3	20	0	9	2	49

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 Year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria—Croup.
Christian .....1922	35,883	627	17.4	76.2	60	28	176	99	14	35	1	4
.....1923	35,883	532	14.7	69.5	54	29	173	133	5	39	3	5
Clark .....1922	17,901	238	13.2	93.8	43	13	71	17	4	24	2	3
.....1923	17,901	274	15.3	72.2	33	17	94	26	4	24	3	2
Clay .....1922	19,795	103	5.2	51.2	25	18	26	9	1	12	2	4
.....1923	19,795	104	5.3	41.1	23	17	28	13	1	13	3	5
Clinton .....1922	8,589	53	6.1	54.7	11	3	12	7	0	9	0	2
.....1923	8,589	57	6.6	94.1	16	2	15	5	0	7	0	2
Crittenden .....1922	13,125	117	8.8	80.5	21	4	42	17	1	10	1	0
.....1923	13,125	144	10.9	99.6	30	9	45	16	2	8	1	3
Cumberland .....1922	10,648	71	6.6	55.7	15	6	16	10	0	5	0	2
.....1923	10,648	72	6.2	28.2	7	8	22	11	1	6	0	1
Daviess .....1922	40,733	568	13.9	76.2	81	36	188	71	8	50	9	2
.....1923	40,733	549	14.3	65.3	80	40	180	51	6	44	3	7
Edmonson .....1922	10,894	86	7.9	81.1	25	6	20	15	3	9	0	6
.....1923	10,894	114	10.5	101.1	35	5	23	10	2	6	1	5
Elliott .....1922	8,887	60	6.7	83.5	27	3	10	4	1	2	0	0
.....1923	8,887	70	7.8	48.2	14	7	15	14	0	7	0	0
Estill .....1922	15,569	117	7.4	39.5	22	20	26	12	2	16	1	4
.....1923	15,569	106	6.1	29.7	20	12	21	13	2	12	3	0
Fayette .....1922	54,664	1,054	19.2	99.2	93	32	304	103	9	89	2	7
.....1923	54,664	1,088	19.3	91.8	103	40	286	102	8	110	9	3
Fleming .....1922	15,614	210	13.4	94.6	32	13	84	31	2	17	1	8
.....1923	15,614	203	13.0	84.8	28	16	84	24	2	25	1	2
Floyd .....1922	27,427	110	4.0	50.0	39	13	15	12	0	11	0	2
.....1923	27,427	187	6.8	48.4	56	30	23	9	0	15	2	4
Franklin .....1922	19,357	266	13.7	86.5	34	13	95	34	4	22	1	2
.....1923	19,357	293	15.1	93.1	38	7	102	32	2	19	1	4
Fulton .....1922	15,197	168	10.9	104.3	24	21	45	13	3	18	0	0
.....1923	15,197	183	12.0	102.1	29	13	38	16	0	25	1	0
Gallatin .....1922	4,664	49	10.5	42.5	4	3	21	8	0	4	0	0
.....1923	4,664	54	11.5	43.9	4	5	23	8	0	3	0	3
Garrard .....1922	12,503	121	9.6	56.0	20	10	42	14	1	16	0	0
.....1923	12,503	110	8.7	60.8	21	7	42	11	0	14	1	1
Grant .....1922	10,435	110	10.5	53.9	13	8	48	14	5	9	2	1
.....1923	10,435	148	14.1	70.0	15	5	72	13	0	12	0	0
Graves .....1922	32,483	411	12.6	73.1	59	32	122	66	11	44	1	4
.....1923	32,483	359	11.0	54.5	43	18	131	58	6	35	1	0
Grayson .....1922	19,927	130	6.5	48.7	25	11	34	16	1	14	3	4
.....1923	19,927	157	7.8	36.4	17	11	54	19	2	17	3	6
Green .....1922	11,391	66	5.8	44.0	13	3	25	5	3	6	0	0
.....1923	11,391	107	9.3	51.9	15	3	38	24	0	9	1	2
Greenup .....1922	20,062	188	9.3	58.6	41	17	56	19	5	14	0	3
.....1923	20,062	244	12.1	66.2	43	28	72	20	4	15	6	4
Hancock .....1922	6,945	80	11.5	99.4	17	2	32	8	1	6	1	1
.....1923	6,945	76	10.9	52.9	9	3	39	8	0	4	2	2
Hardin .....1922	24,287	169	6.9	37.1	17	16	63	25	4	22	1	5
.....1923	24,287	163	6.7	56.6	21	7	58	12	5	12	1	0
Harlan .....1922	31,546	377	11.9	75.9	111	49	30	19	2	39	13	9
.....1923	31,546	460	14.5	84.7	134	66	22	26	1	57	11	1

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923		Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea—Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Christian	1922	1	4	0	10	7	17	40	4	30	32	38
	1923	0	2	4	5	12	15	25	4	12	22	40
Clark	1922	0	4	0	4	7	2	7	1	18	13	32
	1923	0	3	1	5	7	5	8	1	19	20	36
Clay	1922	0	0	0	0	2	4	4	0	2	8	34
	1923	0	0	2	2	3	1	7	0	2	4	44
Clinton	1922	0	3	0	3	0	1	4	0	1	1	56
	1923	0	2	0	1	1	0	7	0	0	2	44
Crittenden	1922	0	2	0	3	5	3	8	0	3	9	47
	1923	0	4	7	5	8	1	11	1	8	4	46
Cumberland	1922	0	1	0	0	5	1	0	1	3	5	40
	1923	0	2	0	2	2	1	4	0	3	5	47
Daviess	1922	0	6	0	13	18	10	34	6	30	32	42
	1923	1	8	5	7	23	13	29	0	30	30	38
Edmonson	1922	0	0	1	2	2	0	3	1	1	1	46
	1923	0	1	0	5	3	0	15	1	2	10	43
Elliott	1922	0	3	0	0	2	2	2	3	1	1	31
	1923	0	1	1	2	1	1	3	0	1	5	43
Estill	1922	0	3	0	5	5	1	7	2	1	6	54
	1923	0	3	1	8	6	2	14	0	2	9	60
Fayette	1922	1	8	5	8	11	20	22	3	56	73	41
	1923	0	4	0	4	32	14	34	9	61	63	33
Fleming	1922	0	4	0	3	5	4	10	0	5	12	40
	1923	0	2	0	3	5	6	16	1	7	9	43
Floyd	1922	0	2	0	3	10	1	4	2	1	13	43
	1923	0	0	11	6	9	5	18	1	5	20	49
Franklin	1922	0	2	5	1	8	3	13	1	18	11	37
	1923	0	1	0	3	11	7	39	0	14	17	41
Fulton	1922	0	0	0	4	10	10	7	0	7	11	42
	1923	2	1	0	2	11	2	12	1	4	15	47
Gallatin	1922	0	0	0	0	0	5	0	5	0	5	34
	1923	0	1	1	0	1	3	2	0	0	2	44
Garrard	1922	0	0	0	0	2	0	2	0	8	7	28
	1923	0	0	2	2	2	2	7	1	4	5	39
Grant	1922	0	1	1	0	1	0	5	1	6	8	38
	1923	0	0	0	4	1	5	18	2	8	7	37
Graves	1922	1	6	0	14	15	8	17	2	21	19	45
	1923	1	7	2	6	6	8	19	2	18	9	42
Grayson	1922	0	4	1	6	4	4	7	2	9	7	51
	1923	0	1	3	5	3	3	21	1	13	9	55
Green	1922	0	0	0	3	2	0	3	0	6	0	32
	1923	0	0	0	5	1	0	0	0	0	8	41
Greenup	1922	0	5	0	2	12	4	11	3	5	19	37
	1923	1	3	5	7	16	5	21	1	14	27	44
Hancock	1922	0	0	0	1	1	2	5	0	5	0	33
	1923	0	0	0	1	1	0	14	0	5	4	42
Hardin	1922	0	1	3	5	3	3	1	0	6	14	42
	1923	0	0	1	2	6	2	13	2	10	14	34
Harlan	1922	0	6	0	19	30	3	15	1	2	88	40
	1923	0	7	13	8	44	7	22	1	7	83	44

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 Year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria—Croup.
Harrison .....1922	15,798	199	12.6	71.8	25	15	78	27	4	15	2	2
.....1923	15,798	217	13.7	98.3	30	11	101	23	5	18	0	3
Hart .....1922	18,544	149	8.0	52.9	23	8	55	11	4	11	0	5
.....1923	18,544	146	7.8	48.5	23	9	51	18	3	20	3	1
Henderson .....1922	27,609	369	13.3	100.0	70	24	104	39	5	18	5	8
.....1923	27,609	361	13.0	71.7	51	20	122	31	2	30	3	1
Henry .....1922	13,411	150	11.1	49.8	14	3	69	18	2	15	0	1
.....1923	13,411	181	13.4	84.0	21	11	83	15	2	22	3	1
Hickman .....1922	10,244	113	11.0	93.3	24	6	37	14	2	12	0	1
.....1923	10,244	100	9.7	61.0	13	9	32	13	0	14	2	1
Hopkins .....1922	34,133	456	13.3	94.3	89	32	125	48	6	44	0	7
.....1923	34,133	480	14.0	83.4	81	55	114	52	4	54	7	4
Jackson .....1922	11,687	59	5.0	36.6	16	8	17	8	1	0	1	3
.....1923	11,687	44	3.7	33.2	13	7	14	6	2	0	1	2
Jefferson .....1922	286,369	4,171	14.5	77.5	432	176	1,224	398	37	426	21	40
.....1923	286,369	4,801	16.7	89.4	564	200	1,313	385	42	547	53	21
Jessamine .....1922	12,205	119	9.7	75.7	15	11	35	13	5	10	2	2
.....1923	12,205	146	11.1	79.6	20	8	52	17	3	16	2	2
Johnson .....1922	19,622	179	9.1	87.7	56	13	34	21	1	21	0	4
.....1923	19,622	214	10.9	67.6	50	15	45	16	7	16	3	6
Kenton .....1922	73,453	1,024	13.9	79.2	118	43	344	74	17	100	1	11
.....1923	73,453	1,044	14.2	67.8	113	43	358	78	5	116	5	5
Knott .....1922	11,655	95	8.1	57.7	22	9	11	9	2	14	0	4
.....1923	11,655	74	6.3	43.3	18	9	13	5	1	15	0	4
Knox .....1922	24,172	222	9.1	73.7	66	28	48	15	6	16	3	11
.....1923	24,172	173	7.1	50.0	50	12	37	22	4	22	6	6
Larue .....1922	10,004	90	8.9	61.2	5	3	34	14	5	6	0	0
.....1923	10,004	104	10.3	52.4	10	6	46	16	2	9	0	1
Laurel .....1922	19,814	163	8.2	54.1	37	14	39	21	2	12	1	9
.....1923	19,814	161	8.1	76.4	51	15	44	8	1	19	3	5
Lawrence .....1922	17,643	175	9.9	88.2	49	23	44	20	4	15	1	10
.....1923	17,643	176	9.9	66.4	34	18	43	14	0	13	2	4
Lee .....1922	11,918	48	4.0	23.9	7	5	9	3	1	6	0	0
.....1923	11,918	50	4.2	17.6	5	3	12	7	0	4	0	1
Leslie .....1922	10,097	78	7.7	69.4	25	10	6	7	2	4	0	4
.....1923	10,097	85	8.4	47.8	17	16	14	8	0	11	1	5
Letcher .....1922	24,467	159	6.4	71.5	51	19	12	6	0	13	1	8
.....1923	24,467	205	8.3	55.0	57	34	17	11	0	17	5	1
Lewis .....1922	15,829	147	9.2	68.7	27	7	57	19	3	9	0	6
.....1923	15,829	175	11.0	58.9	25	13	69	21	1	13	0	3
Lincoln .....1922	16,481	194	11.7	67.2	34	9	61	28	3	20	2	0
.....1923	16,481	212	12.8	70.3	36	14	80	16	0	18	2	3
Livingston .....1922	9,732	89	8.5	57.3	11	6	22	13	3	6	2	2
.....1923	9,732	84	8.6	59.4	11	7	38	12	0	17	1	1
Logan .....1922	23,633	237	10.0	56.9	32	7	90	31	4	16	1	3
.....1923	23,633	286	12.1	67.8	35	16	135	30	2	22	0	3
Lyon .....1922	8,795	61	6.9	41.2	8	4	21	10	0	1	0	2
.....1923	8,795	91	10.3	48.1	9	4	31	14	1	2	2	1
McCracken .....1922	37,246	507	13.6	114.5	86	25	125	58	9	47	2	9
.....1923	37,246	561	15.0	88.6	74	35	146	67	7	52	12	6

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea—Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Harrison .....1922	0	4	0	3	1	4	12	1	9	7	36
.....1923	0	2	1	2	5	2	26	0	13	7	45
Hart .....1922	1	2	0	13	5	3	12	1	9	5	40
.....1923	0	0	0	4	5	3	9	0	15	8	41
Henderson .....1922	0	2	3	2	18	5	18	3	16	31	35
.....1923	1	2	1	1	8	1	7	0	10	11	32
Henry .....1922	0	1	0	0	1	2	6	0	14	2	31
.....1923	0	5	0	1	2	3	11	0	11	8	37
Hickman .....1922	0	2	0	1	5	3	4	0	2	8	40
.....1923	0	1	0	2	2	2	14	1	1	5	52
Hopkins .....1922	0	6	3	16	17	9	26	4	20	40	39
.....1923	0	7	25	13	19	13	30	4	18	44	49
Jackson .....1922	1	1	0	1	5	1	3	0	0	5	42
.....1923	0	0	0	1	1	0	5	0	0	0	41
Jefferson .....1922	1	33	25	20	75	65	76	23	275	291	31
.....1923	1	23	10	17	118	56	115	12	272	306	31
Jessamine .....1922	0	0	1	2	3	1	6	0	7	9	36
.....1923	0	2	0	2	3	0	7	0	4	11	36
Johnson .....1922	1	3	0	6	9	1	7	1	3	12	40
.....1923	0	2	5	11	13	7	14	3	5	21	48
Kenton .....1922	4	10	7	2	16	13	32	8	73	63	29
.....1923	5	8	3	15	13	22	49	2	75	70	32
Knott .....1922	0	1	0	5	4	2	4	2	2	8	48
.....1923	1	2	1	0	2	1	5	2	0	6	54
Knox .....1922	0	3	0	3	13	6	6	3	10	11	48
.....1923	1	6	1	3	21	3	35	3	5	20	51
Larue .....1922	0	1	0	1	0	4	7	3	5	4	43
.....1923	0	0	1	2	3	0	6	0	6	2	33
Laurel .....1922	0	3	0	4	12	6	10	5	5	7	51
.....1923	1	2	7	3	12	4	16	1	5	3	51
Lawrence .....1922	1	4	0	4	8	1	5	1	2	17	41
.....1923	0	9	3	8	9	4	15	0	11	6	45
Lee .....1922	0	2	0	2	3	0	0	0	1	5	35
.....1923	0	1	0	2	0	0	0	4	1	8	38
Leslie .....1922	0	0	0	3	6	4	1	0	1	8	38
.....1923	0	1	1	0	2	1	10	0	1	11	47
Letcher .....1922	0	3	0	4	18	2	2	0	3	33	30
.....1923	0	1	18	4	12	2	13	3	6	34	43
Lewis .....1922	0	3	0	0	7	4	6	1	13	6	36
.....1923	0	3	2	1	5	4	24	1	5	7	45
Lincoln .....1922	0	1	0	2	5	4	4	1	11	5	36
.....1923	1	2	2	4	10	4	21	0	16	13	39
Livingston .....1922	0	3	0	0	3	2	3	0	1	3	42
.....1923	0	0	1	1	4	0	12	0	4	3	59
Logan .....1922	0	3	2	9	6	5	17	2	11	14	40
.....1923	0	1	4	9	5	10	27	0	10	20	37
Lyon .....1922	0	0	0	2	3	1	0	0	2	10	29
.....1923	0	1	3	1	2	0	7	2	1	16	35
McCracken .....1922	2	15	1	9	12	12	18	3	19	26	39
.....1923	0	4	13	4	10	14	26	3	25	32	40

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 Year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria—Croup
McCreary .....1922	11,676	55	4.6	56.2	20	9	11	1	0	6	1	9
.....1923	11,676	93	7.9	106.1	33	12	18	2	2	10	0	2
McLean .....1922	12,502	148	11.8	88.7	28	13	45	21	2	15	0	2
.....1923	12,502	148	11.8	73.1	27	14	50	10	0	17	1	3
Madison .....1922	26,284	280	10.6	75.5	50	16	90	38	4	40	0	1
.....1923	26,284	305	11.6	59.5	40	24	111	25	5	31	6	5
Magoffin .....1922	13,859	72	5.1	49.5	23	6	12	3	0	6	0	5
.....1923	13,859	104	7.5	46.3	22	14	25	7	0	7	0	3
Marion .....1922	15,527	196	12.6	100.0	46	16	57	19	1	25	4	4
.....1923	15,527	211	13.5	86.1	44	26	67	10	3	12	3	5
Marshall .....1922	15,215	134	8.8	45.0	17	16	35	21	3	15	0	2
.....1923	15,215	145	9.5	54.3	21	18	46	15	0	20	6	1
Martin .....1922	7,654	70	9.1	71.2	23	6	11	3	1	8	0	3
.....1923	7,654	72	9.4	69.4	22	6	10	2	4	5	7	3
Mason .....1922	17,760	244	13.7	74.9	26	11	98	20	4	18	0	4
.....1923	17,760	265	14.9	96.8	31	18	125	27	7	23	5	1
Meade .....1922	9,442	104	11.0	56.0	14	10	42	9	2	14	2	0
.....1923	9,442	138	14.6	122.2	31	7	63	13	1	21	3	0
Menifee .....1922	5,779	57	9.8	55.0	11	8	11	5	6	1	0	3
.....1923	5,979	56	9.6	63.1	12	6	17	7	0	4	0	2
Mercer .....1922	14,795	157	10.6	38.1	13	15	66	18	1	16	0	4
.....1923	14,795	161	10.9	55.7	18	11	61	8	2	28	4	1
Metcalfe .....1922	10,075	113	11.2	82.0	20	6	39	16	0	7	0	1
.....1923	10,075	105	10.4	56.7	14	7	39	7	4	8	1	2
Monroe .....1922	14,214	125	8.8	64.2	25	12	40	7	4	9	0	3
.....1923	14,214	162	11.4	69.1	24	14	47	25	4	20	1	3
Montgomery .....1922	12,245	137	11.1	58.5	16	8	53	21	2	20	0	3
.....1923	12,245	150	12.2	66.4	21	12	51	16	2	14	4	1
Morgan .....1922	16,518	113	6.8	48.5	27	7	33	19	1	9	0	3
.....1923	16,518	135	8.1	32.5	17	25	39	11	4	11	3	2
Muhlenberg .....1922	33,353	386	11.6	87.2	106	36	70	38	6	37	1	12
.....1923	33,353	476	14.2	90.4	115	62	107	47	5	44	7	13
Nelson .....1922	16,137	201	12.4	75.0	30	20	74	27	1	18	1	5
.....1923	16,137	205	12.6	76.8	30	11	81	22	2	23	3	4
Nicholas .....1922	9,894	129	13.0	55.0	9	16	58	11	1	16	0	7
.....1923	9,894	132	13.3	104.7	19	9	56	2	1	13	2	4
Ohio .....1922	26,473	225	8.5	66.4	47	6	78	16	3	27	1	3
.....1923	26,473	252	9.5	55.9	36	18	89	23	5	33	4	4
Oldham .....1922	7,689	109	12.8	56.5	7	4	57	10	2	11	0	0
.....1923	7,689	122	15.8	66.2	11	5	69	6	1	3	2	0
Owen .....1922	12,554	131	10.0	40.0	12	6	67	17	1	12	0	3
.....1923	12,554	170	13.5	80.7	23	9	60	22	1	16	3	4
Owsley .....1922	7,820	49	5.9	28.8	7	3	19	7	0	5	0	0
.....1923	7,820	40	5.1	25.7	6	10	10	6	0	5	1	2
Pendleton .....1922	11,719	129	11.0	65.5	16	11	56	14	3	18	2	4
.....1923	11,719	127	10.8	35.8	10	9	55	12	3	9	1	0
Perry .....1922	26,042	262	10.0	70.5	98	40	13	18	1	30	3	12
.....1923	26,042	376	14.4	65.0	104	71	22	18	4	43	1	13
Pike .....1922	49,477	439	8.8	66.0	132	64	55	37	2	37	1	22
.....1923	49,477	511	10.3	87.6	169	64	63	45	2	52	2	11

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea—Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
McCreary 1922	0	0	0	0	4	0	3	1	3	0	48
..... 1923	0	0	3	0	10	1	7	2	1	5	38
McLean 1922	0	2	1	3	6	3	9	0	10	7	45
..... 1923	1	3	4	3	4	5	15	0	5	11	46
Madison 1922	1	4	0	4	9	9	7	1	10	22	37
..... 1923	0	2	1	5	8	2	24	0	14	23	39
Magoffin 1922	0	1	0	4	3	3	4	0	2	6	36
..... 1923	0	0	1	4	4	0	28	0	2	9	51
Marion 1922	0	3	0	1	4	6	7	0	9	13	37
..... 1923	0	5	0	5	12	9	15	0	7	9	39
Marshall 1922	0	4	1	3	3	4	14	1	4	6	52
..... 1923	0	8	2	4	4	2	14	1	7	6	53
Martin 1922	0	4	0	3	4	10	1	2	1	0	54
..... 1923	0	0	0	1	2	1	5	0	0	0	41
Mason 1922	0	2	2	3	4	1	10	1	25	18	28
..... 1923	2	2	0	3	3	6	17	2	12	16	38
Meade 1922	0	1	1	3	1	3	3	1	6	2	40
..... 1923	0	0	1	1	3	2	13	0	4	7	42
Menifee 1922	0	1	0	2	2	3	2	0	1	8	40
..... 1923	0	2	1	5	0	0	3	0	0	2	46
Mercer 1922	0	1	0	7	4	1	8	1	8	4	40
..... 1923	0	1	0	3	2	4	19	1	6	7	46
Metcalfe 1922	0	3	1	8	4	1	2	0	4	5	38
..... 1923	0	1	1	5	4	1	12	0	4	4	48
Monroe 1922	0	2	0	2	7	1	4	2	9	4	32
..... 1923	0	4	5	4	1	0	16	0	10	3	52
Montgomery 1922	0	3	0	2	1	1	8	0	9	7	45
..... 1923	0	2	1	4	5	3	4	0	10	13	38
Morgan 1922	0	2	1	2	6	3	7	1	5	6	46
..... 1923	1	13	2	6	1	4	19	1	6	4	58
Muhlenberg 1922	0	8	0	13	25	10	23	1	17	29	44
..... 1923	0	6	27	9	32	15	28	1	11	32	50
Nelson 1922	0	2	2	0	6	4	9	0	4	4	38
..... 1923	0	3	2	3	3	0	8	0	10	9	37
Nicholas 1922	0	0	0	1	0	1	6	0	14	6	32
..... 1923	0	1	1	3	5	3	10	0	7	2	45
Ohio 1922	0	1	1	8	6	4	18	0	10	13	39
..... 1923	0	2	5	6	10	5	16	2	12	14	46
Oldham 1922	0	0	1	0	2	2	2	1	7	3	33
..... 1923	0	1	0	1	3	4	8	0	11	5	25
Owen 1922	0	1	0	2	5	1	6	0	3	8	32
..... 1923	2	1	1	4	4	2	15	1	9	6	44
Owsley 1922	0	0	0	0	1	0	7	0	7	0	36
..... 1923	0	0	0	1	2	0	2	0	1	5	25
Pendleton 1922	0	1	0	0	1	0	8	0	5	6	38
..... 1923	2	4	0	0	0	1	11	0	6	6	37
Perry 1922	1	8	0	6	19	6	8	0	7	51	41
..... 1923	0	5	19	12	40	10	17	7	3	56	50
Pike 1922	6	10	0	16	31	20	16	0	7	61	43
..... 1923	0	11	11	24	59	6	34	5	9	60	51

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Estimated Population.	Total Deaths (Still- births Excluded.)	Death Rate Per 1,000 Population.	Infant Mortality Rate Per 1,000 Living Births.	Of Infants Under 1 Year.	Children Aged 1-5 Years.	Aged 65 Years and Over.	Tuberculosis of the Lungs.	Other Tuberculosis.	Pneumonia.	Whooping Cough.	Diphtheria—Croup.
Powell .....1922	6,745	44	6.5	85.6	16	4	8	5	2	5	0	0
.....1923	6,745	40	5.0	22.9	4	7	12	3	0	2	0	3
Pulaski .....1922	34,010	269	7.6	45.5	48	16	63	31	6	22	0	6
.....1923	34,010	339	9.9	62.3	63	28	82	40	8	36	3	8
Robertson .....1922	3,871	34	8.8	53.9	5	3	16	4	0	5	0	1
.....1923	3,871	44	11.3	51.2	4	2	23	5	0	2	3	1
Rockcastle .....1922	15,406	88	5.0	35.7	17	7	22	10	0	10	2	4
.....1923	15,406	83	5.3	30.9	15	14	27	11	0	6	1	1
Rowan .....1922	9,467	106	11.1	85.8	34	17	25	15	6	7	0	0
.....1923	9,467	83	8.7	47.4	16	12	25	14	1	7	0	4
Russell .....1922	11,854	70	6.7	45.5	14	5	17	12	1	7	0	1
.....1923	11,854	88	7.4	49.2	16	7	31	6	2	5	0	1
Scott .....1922	15,318	204	13.3	75.6	22	11	71	23	1	23	4	1
.....1923	15,318	219	14.2	64.0	21	12	79	22	1	25	1	1
Shelby .....1922	18,532	227	12.2	78.2	27	10	107	11	0	27	0	12
.....1923	18,532	246	13.2	86.0	32	10	99	24	3	22	6	5
Simpson .....1922	11,150	135	12.1	52.4	11	5	54	22	4	17	0	3
.....1923	11,150	163	14.6	112.7	23	8	69	14	2	15	3	3
Spencer .....1922	7,785	76	9.6	80.2	13	13	20	11	1	7	0	7
.....1923	7,785	111	14.2	134.9	22	9	38	9	2	14	2	0
Taylor .....1922	12,236	120	9.8	76.8	27	9	36	10	0	9	0	4
.....1923	12,236	180	14.7	99.8	33	18	57	27	3	20	7	1
Todd .....1922	15,694	191	12.1	84.8	35	10	65	14	1	25	1	7
.....1923	15,694	176	11.2	65.6	18	18	62	20	2	12	1	4
Trigg .....1922	14,208	119	8.4	63.4	19	12	38	21	1	12	0	2
.....1923	14,208	145	10.2	70.5	18	18	45	35	3	8	1	1
Trimble .....1922	6,011	51	8.4	42.7	5	6	17	7	1	6	0	2
.....1923	6,011	58	9.6	48.6	7	4	26	5	0	2	0	0
Union .....1922	18,040	188	10.4	57.2	33	22	58	16	0	14	6	3
.....1923	18,040	219	12.1	83.9	45	18	54	19	2	18	8	5
Warren .....1922	30,858	429	14.2	67.2	58	30	149	48	6	36	0	3
.....1923	30,858	389	12.6	50.1	39	23	136	40	3	39	4	4
Washington .....1922	14,773	95	6.7	34.9	13	8	34	5	0	23	1	8
.....1923	14,773	97	6.5	38.1	14	9	28	14	0	16	1	2
Wayne .....1922	16,208	113	6.9	26.6	13	8	38	16	2	10	0	3
.....1923	16,208	153	9.4	53.3	28	16	43	17	2	17	3	0
Webster .....1922	20,762	243	11.2	89.1	50	38	53	23	2	22	10	5
.....1923	20,762	275	13.2	72.0	43	27	74	27	5	31	0	1
Whitley .....1922	27,749	250	9.0	69.2	70	26	46	19	5	16	0	2
.....1923	27,749	281	10.1	90.4	92	26	62	21	4	31	1	1
Wolfe .....1922	8,783	23	2.6	24.3	5	2	7	5	1	0	0	0
.....1923	8,783	44	5.0	44.4	10	3	14	5	1	2	1	1
Woodford .....1922	11,784	161	13.6	90.6	23	10	48	23	0	17	1	5
.....1923	11,784	150	12.7	95.8	28	10	53	10	1	18	6	2

TABLE 8—Continued.

TOTAL DEATHS, RATE, IMPORTANT AGES, AND DEATHS FROM PREVENTABLE DISEASES

For 1922 and 1923	Scarlet Fever.	Meningitis.	Measles.	Typhoid Fever.	Diarrhoea-Enteritis Under 2 Years.	Other Diarrhoeal Diseases.	Influenza.	Puerperal Septicemia.	Cancer.	Violence.	Of Each 100 Deaths Reported Are Due to Preventable Diseases.
Powell .....1922	0	2	0	3	4	1	3	0	1	1	56
.....1923	1	0	0	2	1	2	3	0	1	4	45
Pulaski .....1922	1	3	1	5	11	9	17	1	9	21	38
.....1923	1	6	2	5	14	5	16	0	11	35	43
Robertson .....1922	0	0	0	2	0	0	1	0	0	2	33
.....1923	0	0	0	0	0	2	5	0	3	3	23
Rockcastle .....1922	0	0	0	2	0	0	1	0	0	2	38
.....1923	0	2	0	7	6	2	17	4	2	8	66
Rowan .....1922	0	0	0	0	4	1	11	0	2	8	47
.....1923	0	2	1	1	6	0	12	1	2	1	60
Russell .....1922	0	1	0	4	13	5	4	0	2	2	54
.....1923	0	2	2	1	4	4	11	2	1	4	45
Scott .....1922	0	0	0	0	6	0	2	0	2	5	42
.....1923	0	2	1	2	2	1	37	1	8	8	48
Shelby .....1922	0	6	0	1	3	1	10	1	10	10	36
.....1923	1	1	0	1	4	3	11	3	22	11	34
Simpson .....1922	0	0	0	4	2	3	14	0	8	6	51
.....1923	0	2	0	4	5	2	15	2	9	9	44
Spencer .....1922	1	1	0	0	0	0	11	0	0	4	54
.....1923	0	2	0	2	2	3	12	0	4	0	46
Taylor .....1922	0	2	1	1	4	4	2	1	8	4	31
.....1923	0	0	5	2	7	10	14	0	4	6	51
Todd .....1922	0	0	0	2	5	0	9	1	9	14	34
.....1923	0	3	6	3	5	1	11	1	12	7	39
Trigg .....1922	0	4	0	3	2	1	10	0	4	7	33
.....1923	0	1	4	0	4	1	6	0	5	9	40
Trimble .....1922	1	2	0	1	1	1	4	0	3	1	49
.....1923	0	2	1	2	4	1	5	0	2	2	41
Union .....1922	0	4	2	9	10	5	5	3	11	14	40
.....1923	0	4	4	10	11	5	15	0	7	22	41
Warren .....1922	0	6	2	16	8	6	34	2	21	29	39
.....1923	2	5	2	17	14	4	40	2	22	20	45
Washington .....1922	0	0	0	0	0	3	8	0	8	2	48
.....1923	0	0	2	2	2	2	16	1	4	2	61
Wayne .....1922	0	1	0	4	1	0	7	2	2	5	44
.....1923	0	2	12	4	3	2	12	2	3	0	49
Webster .....1922	2	8	11	8	13	4	13	1	17	18	49
.....1923	0	7	9	7	7	5	24	1	10	14	45
Whitley .....1922	4	5	0	5	25	4	12	3	4	23	39
.....1923	0	6	1	3	23	4	22	1	9	18	43
Wolfe .....1922	0	0	0	0	0	0	0	3	3	1	30
.....1923	0	2	0	0	2	3	4	2	0	2	50
Woodford .....1922	0	0	0	4	4	3	8	0	8	9	42
.....1923	0	1	0	2	9	0	13	0	7	4	44

TABLE 9.

State Table Showing Total Births (exclusive of stillbirths), Plural Births, Sex, Color, Nativity of Parents, by Whom Attended and Illegitimates—1922 and 1923.

1922				1923			
	Total	White	Colored		Total	White	Colored
All births	62,621	58,104	4,517	All births	65,062	61,592	3,470
Male	32,491	30,341	2,150	Male	33,829	32,039	1,790
Female	30,130	27,763	2,367	Female	31,233	29,553	1,680
Twins	689			Twins	1,097		
Triplets	19			Triplets	35		
Father—Native	62,037			Father—Native	64,894		
Foreign	238			Foreign	168		
Mother—Native	62,311			Mother—Native	64,907		
Foreign	206			Foreign	155		
Attended by—				Attended by—			
Physician	51,617			Physician	53,351		
Midwife	10,859			Midwife	11,711		
Illegitimate	1,285	663	622	Illegitimate	1,063	540	523

TABLE 10.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
State of Kentucky	1922	62,621	26.0	58,104	4,517	32,491	30,130	689	19	2,170
	1923	65,062	27.0	61,592	3,470	33,829	31,233	1,097	18	2,240
Adair	1922	488	28.0	450	38	261	227	7	0	16
	1923	463	26.7	447	16	221	242	7	0	15
Allen	1922	443	25.9	426	17	228	215	7	0	17
	1923	402	24.0	385	17	204	198	6	0	15
Anderson	1922	269	26.6	253	16	129	140	3	0	11
	1923	239	23.9	229	10	134	105	2	0	10
Ballard	1922	294	24.4	266	28	139	155	3	0	15
	1923	260	21.5	248	12	138	122	3	0	10
Barren	1922	614	24.3	540	74	343	271	8	0	14
	1923	650	25.7	587	63	342	308	5	0	18
Bath	1922	348	28.6	323	25	201	147	2	0	8
	1923	335	27.9	321	14	158	177	2	0	11
Bell	1922	983	28.9	939	44	501	482	6	0	38
	1923	1,111	32.7	1,072	39	581	530	12	0	37
Boone	1922	171	17.9	164	7	92	79	2	0	9
	1923	197	20.9	178	19	107	90	0	0	3
Bourbon	1922	229	12.2	165	64	117	112	1	0	15
	1923	316	17.1	252	64	156	160	1	0	12

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES	Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Boyd, exclusive of	1922 329	25.1	326	3	175	154	4	0	13
	1923 387	26.7	381	1	216	171	4	0	9
Ashland	1922 590	40.0	571	19	301	289	4	0	22
	1923 681	46.2	674	7	324	357	4	0	31
Boyle	1922 351	23.8	317	34	183	168	2	0	12
	1923 350	23.3	328	22	178	172	3	0	10
Bracken	1922 222	21.4	215	7	124	98	3	0	6
	1923 217	21.2	211	6	121	96	4	0	11
Breathitt	1922 619	30.0	613	6	298	321	9	0	7
	1923 648	31.4	644	4	333	315	8	0	10
Breckinridge	1922 548	27.8	520	28	280	268	4	0	26
	1923 572	29.1	552	20	299	273	4	0	21
Bullitt	1922 288	30.8	274	14	150	138	4	0	13
	1923 213	22.8	207	6	108	105	5	0	8
Butler	1922 325	21.3	310	15	184	141	2	0	7
	1923 265	16.1	258	7	126	139	1	0	6
Caldwell	1922 353	24.8	311	42	171	182	3	0	14
	1923 306	21.9	267	39	158	148	4	0	10
Calloway	1922 446	21.4	423	23	216	230	7	0	5
	1923 508	24.4	500	8	269	239	3	0	14
Campbell, exclusive of	1922 625	19.2	610	15	325	300	4	0	30
	1923 626	19.2	625	1	342	284	4	1	22
Newport	1922 535	18.3	510	25	274	261	6	0	22
	1923 500	17.0	487	13	284	216	10	0	22
Carlisle	1922 216	26.6	212	4	122	94	2	1	2
	1923 175	21.2	175	0	88	87	1	0	7
Carroll	1922 173	20.6	161	12	88	85	3	1	6
	1923 193	23.1	183	10	89	104	1	0	2
Carter	1922 757	33.6	756	1	448	309	10	0	26
	1923 847	37.7	847	0	439	408	12	0	37
Casey	1922 560	32.1	554	6	287	273	5	1	8
	1923 539	31.2	538	1	287	252	4	0	16
Christian, exclusive of	1922 636	21.0	419	217	340	296	4	0	25
	1923 611	23.2	428	183	331	280	5	1	27
Hopkinsville	1922 152	16.9	93	59	86	66	1	1	14
	1923 165	17.0	99	66	85	80	0	0	8
Clark	1922 463	25.6	401	62	239	224	4	0	31
	1923 457	25.5	389	68	233	224	5	0	18
Clay	1922 494	24.7	485	9	242	252	4	0	12
	1923 560	28.3	560	0	299	261	3	0	14
Clinton	1922 206	23.9	204	2	111	95	2	0	7
	1923 170	19.6	170	0	98	72	2	1	2
Crittenden	1922 212	16.1	209	3	103	109	5	0	12
	1923 301	22.9	298	3	136	165	2	0	12
Cumberland	1922 248	23.1	241	7	128	120	2	0	10
	1923 248	21.4	227	21	133	115	0	0	11
Daviess, exclusive of	1922 611	26.2	578	33	324	287	6	0	12
	1923 632	27.1	608	24	322	310	5	0	15
Owensboro	1922 393	22.5	363	30	193	200	2	0	26
	1923 592	34.9	559	33	300	292	4	0	27

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Edmonson	1922	307	30.4	300	7	201	106	3	1	5
	1923	346	31.7	339	7	183	163	6	0	2
Elliott	1922	301	33.9	300	1	157	144	3	0	9
	1923	288	32.4	288	0	142	144	5	0	9
Estill	1922	502	31.5	501	1	245	257	6	0	8
	1923	673	43.1	672	1	366	307	1	0	9
Fayette, exclusive of	1922	192	14.0	161	31	93	99	2	0	5
	1923	221	16.8	184	37	117	104	2	0	6
Lexington	1922	731	17.5	586	145	379	352	7	0	53
	1923	901	21.6	718	183	465	436	3	0	59
Fleming	1922	342	21.6	319	23	180	162	3	0	11
	1923	330	21.1	311	19	178	152	1	0	15
Floyd	1922	794	28.4	788	5	405	389	10	0	9
	1923	1,157	42.1	1,141	16	606	551	10	2	23
Franklin, exclusive of	1922	211	22.0	184	27	106	105	2	0	9
	1923	192	20.1	184	8	104	88	0	0	6
Frankfort	1922	192	19.6	164	28	95	97	3	0	8
	1923	216	22.0	200	16	116	100	2	0	4
Fulton	1922	234	15.4	187	47	119	115	5	0	10
	1923	284	18.7	228	56	140	144	3	0	9
Gallatin	1922	100	20.6	96	4	47	53	1	0	1
	1923	91	19.6	90	1	49	42	1	0	1
Garrard	1922	353	28.4	295	58	190	163	2	0	15
	1923	345	27.6	302	43	190	155	3	0	21
Grant	1922	241	23.1	234	7	124	117	2	1	5
	1923	213	20.4	210	3	112	101	1	0	5
Graves	1922	811	24.9	751	60	421	390	10	1	21
	1923	789	24.2	751	38	431	358	3	0	25
Grayson	1922	518	25.6	511	7	286	232	2	0	16
	1923	466	23.4	450	16	263	203	2	0	10
Green	1922	288	25.2	263	25	144	144	4	0	4
	1923	289	25.3	276	13	150	139	5	0	3
Greenup	1922	700	34.9	695	5	338	362	7	0	22
	1923	649	32.3	648	1	308	341	8	0	23
Hancock	1922	172	24.7	164	8	84	88	1	0	4
	1923	170	24.4	160	10	96	74	1	1	5
Hardin	1922	462	18.8	440	20	235	227	7	0	12
	1923	371	15.7	358	13	199	172	4	0	9
Harlan	1922	1,484	47.0	1,373	111	752	732	12	0	61
	1923	1,581	50.1	1,499	82	827	754	20	0	66
Harrison	1922	356	22.1	338	18	172	184	2	0	12
	1923	332	21.1	322	10	169	163	4	0	16
Hart	1922	433	26.5	352	81	242	191	3	0	4
	1923	474	25.5	439	35	250	224	7	0	10
Henderson, exclusive of	1922	456	28.1	376	80	211	245	7	0	10
	1923	467	30.2	404	63	235	232	3	1	18
Henderson	1922	220	21.9	162	58	119	101	4	0	21
	1923	244	20.0	208	36	123	121	3	0	14
Henry	1922	282	21.0	251	31	132	150	1	0	8
	1923	250	18.6	230	20	126	124	1	0	7

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES	Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Hickman .....1922	259	25.0	247	12	136	123	5	0	3
.....1923	213	20.7	197	16	99	114	0	0	4
Hopkins .....1922	948	27.6	824	124	519	429	11	0	56
.....1923	971	40.2	886	85	510	461	4	0	45
Jackson .....1922	439	35.8	439	0	232	207	5	0	2
.....1923	358	30.6	358	0	190	168	3	0	12
Jefferson, exclusive of .....1922	620	11.4	566	54	344	276	5	0	28
.....1923	541	10.5	493	48	278	263	2	0	24
Louisville .....1922	5,021	21.3	4,437	584	2,656	2,365	60	0	261
.....1923	5,772	24.5	5,158	614	3,000	2,772	43	1	296
Jessamine .....1922	194	16.4	156	38	96	98	2	0	4
.....1923	251	20.5	223	28	133	118	2	0	12
Johnson .....1922	652	33.2	651	1	348	304	8	0	23
.....1923	739	37.6	739	0	413	326	8	1	16
Kenton, exclusive of .....1922	299	18.3	296	3	155	144	2	0	11
.....1923	336	20.5	333	3	165	171	0	0	14
Covington .....1922	1,179	21.1	1,136	43	616	563	11	0	49
.....1923	1,330	23.2	1,292	38	674	656	8	0	50
Knott .....1922	379	32.8	375	4	204	175	5	0	8
.....1923	415	35.6	414	1	204	211	3	0	2
Knox .....1922	904	37.1	886	18	467	437	16	1	40
.....1923	999	41.3	988	11	493	506	15	0	46
Larue .....1922	245	23.7	234	11	116	127	2	0	6
.....1923	192	19.1	176	16	89	103	3	0	3
Laurel .....1922	699	35.1	687	12	361	338	9	0	25
.....1923	667	37.8	654	13	355	312	11	0	19
Lawrence .....1922	565	32.0	563	2	284	281	11	0	14
.....1923	512	29.0	510	2	281	231	7	0	11
Lee .....1922	298	24.8	291	7	150	148	3	0	6
.....1923	285	23.9	284	1	150	135	3	0	6
Leslie .....1922	369	36.1	368	1	183	186	9	0	9
.....1923	355	35.1	354	1	200	155	3	0	14
Letcher .....1922	681	27.8	656	25	368	313	6	0	17
.....1923	1,035	42.3	1,009	26	556	479	10	0	11
Lewis .....1922	406	24.9	403	3	211	195	6	1	18
.....1923	424	26.7	424	0	222	202	8	1	18
Lincoln .....1922	475	30.6	435	40	248	227	3	0	15
.....1923	512	31.0	481	31	259	253	6	0	17
Livingston .....1922	193	19.7	180	13	109	84	3	0	11
.....1923	185	19.0	179	6	103	82	0	0	6
Logan .....1922	564	23.8	481	83	279	285	3	0	10
.....1923	514	21.7	466	48	255	259	7	0	13
Lyon .....1922	193	22.0	174	19	100	93	1	0	3
.....1923	187	21.2	179	8	94	93	5	1	6
McCracken, exclusive of .....1922	233	17.9	220	13	113	120	1	0	6
.....1923	297	25.3	279	18	152	145	4	0	10
Paducah .....1922	488	21.4	424	64	258	230	2	0	41
.....1923	538	21.7	448	90	293	245	4	0	43
McCreary .....1922	364	30.6	359	5	185	179	5	0	19
.....1923	311	26.6	311	0	178	133	5	0	12

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES		Total Births (Stillbirths Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
McLean	1922	330	25.2	319	11	178	152	4	0	3
	1923	369	29.5	364	5	200	169	2	0	11
Madison	1922	673	25.6	570	103	374	299	4	0	42
	1923	673	25.6	603	70	347	326	8	0	22
Magoffin	1922	474	33.5	474	0	243	231	6	0	15
	1923	475	34.2	474	1	257	218	3	0	17
Marion	1922	462	29.6	409	53	239	223	4	0	17
	1923	512	32.9	480	32	270	242	1	0	19
Marshall	1922	375	24.8	375	0	200	175	6	0	3
	1923	386	25.3	386	0	211	175	2	0	7
Martin	1922	318	41.4	318	0	163	155	6	0	0
	1923	317	41.5	316	1	169	148	2	0	9
Mason	1922	352	19.6	308	44	203	149	3	0	9
	1923	320	18.0	296	24	158	162	2	0	9
Meade	1922	248	26.5	233	15	125	123	2	0	5
	1923	254	26.9	243	11	123	131	1	0	5
Menifee	1922	201	34.8	198	3	99	102	2	0	7
	1923	190	32.8	190	0	103	87	1	0	7
Mercer	1922	345	23.1	298	47	177	168	4	1	14
	1923	323	21.8	313	10	176	147	4	0	6
Metcalfe	1922	248	24.4	231	17	140	108	2	0	7
	1923	246	24.4	238	8	132	114	4	0	2
Monroe	1922	392	27.6	378	14	211	181	6	0	11
	1923	347	24.4	340	7	164	183	6	0	13
Montgomery	1922	277	22.5	227	50	154	123	5	0	11
	1923	316	25.8	280	36	177	139	2	0	19
Morgan	1922	561	33.5	561	0	272	289	9	0	15
	1923	517	31.3	516	1	259	258	4	0	18
Muhlenberg	1922	1,233	36.9	1,169	64	652	581	9	0	32
	1923	1,270	38.0	1,241	29	653	617	13	1	34
Nelson	1922	402	24.8	368	34	203	199	5	0	11
	1923	389	24.0	361	28	190	199	4	0	7
Nicholas	1922	159	16.5	154	5	90	69	2	0	8
	1923	181	18.2	178	3	88	93	3	0	8
Ohio	1922	712	26.8	695	17	341	371	5	0	20
	1923	643	24.3	629	14	332	311	5	1	22
Oldham	1922	118	16.6	105	13	68	50	1	0	6
	1923	166	21.6	149	17	89	77	4	0	10
Owen	1922	303	23.8	282	21	162	141	3	0	7
	1923	285	22.6	272	13	154	131	1	1	7
Owsley	1922	248	30.8	248	0	122	126	4	1	9
	1923	249	31.8	249	0	139	110	1	1	7
Pendleton	1922	248	20.8	243	5	131	117	4	0	9
	1923	279	23.7	276	3	142	137	2	0	6
Perry	1922	1,405	54.0	1,332	73	781	674	16	3	49
	1923	1,600	61.4	1,561	39	831	761	12	1	44
Pike	1922	1,912	38.7	1,855	57	978	934	15	0	47
	1923	1,929	38.9	1,908	21	971	958	19	1	69
Powell	1922	186	27.9	162	24	103	83	0	0	5
	1923	174	25.7	171	3	110	64	1	0	0

TABLE 10—Continued.

Total Births Reported (stillbirths excluded) and Rates by Counties for Years 1922-1923.

COUNTIES		Total Births (Still- births Excluded).	Rate Per 1,000 Population.	White.	Black.	Male.	Female.	Cases of Twins.	Cases of Triplets.	Stillbirths.
Pulaski	1922	1,078	31.1	1,055	23	544	534	16	0	32
	1923	1,011	29.7	998	13	515	496	9	0	30
Robertson	1922	85	22.0	83	2	39	46	1	0	2
	1923	78	20.1	77	1	48	30	0	0	2
Rockcastle	1922	473	31.2	412	1	246	227	5	1	9
	1923	485	31.4	482	3	251	234	3	0	6
Rowan	1922	397	42.2	376	1	194	203	4	0	14
	1923	337	35.7	336	1	168	169	2	0	11
Russell	1922	308	25.8	307	1	165	143	4	0	5
	1923	323	27.2	320	3	178	145	5	0	10
Scott	1922	395	25.7	251	44	158	137	6	0	16
	1923	327	21.3	301	26	159	168	4	0	19
Shelby	1922	344	18.7	279	65	164	180	5	0	9
	1923	372	20.0	328	44	179	193	3	0	14
Simpson	1922	211	18.9	163	47	115	95	1	1	9
	1923	204	18.2	190	14	101	103	0	0	9
Spencer	1922	161	21.1	153	8	81	80	0	0	8
	1923	163	20.9	154	9	82	81	0	0	4
Taylor	1922	348	25.1	304	44	184	164	2	1	14
	1923	331	27.0	304	27	167	164	2	0	14
Todd	1922	415	26.4	272	143	175	240	4	0	14
	1923	274	11.0	238	36	140	134	3	0	9
Trigg	1922	302	21.1	255	47	170	132	2	0	12
	1923	255	17.9	211	44	150	105	4	0	5
Trimble	1922	124	19.5	122	2	56	68	3	0	6
	1923	144	23.8	140	4	76	68	0	0	5
Union	1922	576	31.9	513	63	304	272	12	1	22
	1923	536	29.7	504	32	272	264	8	0	23
Warren, exclusive of	1922	556	26.4	499	57	285	271	6	0	14
	1923	510	24.2	459	51	270	240	0	0	13
Bowling Green	1922	300	30.6	220	80	145	155	2	0	13
	1923	268	27.2	228	40	135	133	1	0	8
Washington	1922	380	25.2	348	32	192	188	2	0	5
	1923	367	32.3	340	27	184	183	2	0	4
Wayne	1922	483	30.4	470	13	234	249	6	0	13
	1923	525	32.3	517	8	264	261	3	0	14
Webster	1922	579	26.9	529	50	299	280	6	0	19
	1923	597	28.7	557	40	303	294	4	0	23
Whitley	1922	1,019	37.8	1,003	16	520	499	9	0	27
	1923	1,016	36.6	1,005	11	535	481	14	1	34
Wolfe	1922	201	23.4	201	0	109	92	1	0	5
	1923	225	25.6	224	1	108	117	1	0	5
Woodford	1922	265	22.6	215	50	135	130	2	0	7
	1923	292	25.6	265	27	161	131	0	0	7

BUREAU OF SANITARY ENGINEERING—Reminders.

Upon request of any municipal council or health officer the Bureau of Sanitary Engineering will investigate and submit full reports upon municipal sanitary conditions.

Public water supply and sewerage troubles should be referred to the Director, Bureau of Sanitary Engineering, for consultation and advice.

The rules and regulations provide that no public water supply or sewerage system may be installed until plans therefor have received the approval of the State Board of Health.

No new manufacturing establishments which are likely to produce objectionable liquid wastes may be built until the sites selected have met the approval of the State Board of Health.

Specimens of water will not be analyzed unless sent to the laboratory in containers furnished free by it, and accompanied by blanks, properly filled, giving the history of the specimen.

BUREAU OF BACTERIOLOGY—Reminders.

It is a violation of the postal laws to mail specimens for examination except as provided for, in special containers.

These containers can be obtained by writing to the laboratory, State Board of Health, Louisville, Ky.

Free treatment for rabies is given by this laboratory. When sending patients for rabic treatment communicate with the laboratory, because it takes time to get treatment from Washington.

The laboratory makes examination of sputum for tubercle bacilli, influenza bacillus, pneumococcus, throat cultures for diphtheria bacilli, blood specimens for malarial parasites, the Widal and Diazo reaction for typhoid fever, gonococcus, spirochaeta, pallida, feces for hook-worm, round worm, tape worm and other intestinal parasites, microscopic urinalysis and rabies.

This laboratory does not make tissue examinations.

BUREAU OF FOODS, DRUGS AND HOTELS—Reminders.

Upon the request of the health officer, the Bureau of Foods, Drugs and Hotels will investigate and report on the sanitary condition of the milk supply of any town or county.

(OVER)

Records in the office of the Bureau cover the sanitary inspection of all food establishments and the analysis of foods manufactured in this State and are at the service of the health officers.

Information in regard to labeling of foods and drugs will be furnished on request. Write to the Bureau of Foods, Drugs and Hotels for information in regard to the analysis of any sample of food, such as milk and ice cream.

The Bulletin's mailing list now includes the physicians, ministers, school teachers, members of Women's Clubs, Local Registrars of Vital Statistics, Undertakers, Y. M. C. A. workers, State and County officials, members of the Legislature, and every newspaper in the State.

We want a United Health Army of these 25,000 people to wage a successful warfare against consumption, typhoid fever, infant mortality, and all the communicable diseases.

The Returns of the Bureau of Vital Statistics show that 45 to 50 per cent of all deaths are caused by diseases practically preventable.

"Fifteen years can be added to the average period of life, in one generation, by preventing these diseases."—Irving Fisher, Yale.

Teach the children, today, what we, yesterday, did not know about the causes and prevention of disease, that, tomorrow, the people of Kentucky may live longer, be freer from sickness and able to carry on the warfare against disease with less opposition from ignorant people who must be protected in spite of themselves.



THE STATE JOURNAL COMPANY
Printer to the Commonwealth
Frankfort, Ky.

BUREAU OF SANITARY ENGINEERING—Reminders.

Upon request of any municipal council or health officer the Bureau of Sanitary Engineering will investigate and submit full reports upon municipal sanitary conditions.

Public water supply and sewerage troubles should be referred to the Director, Bureau of Sanitary Engineering, for consultation and advice.

The rules and regulations provide that no public water supply or sewerage system may be installed until plans therefor have received the approval of the State Board of Health.

No new manufacturing establishments which are likely to produce objectionable liquid wastes may be built until the sites selected have met the approval of the State Board of Health.

Specimens of water will not be analyzed unless sent to the laboratory in containers furnished free by it, and accompanied by blanks, properly filled, giving the history of the specimen.

BUREAU OF BACTERIOLOGY—Reminders.

It is a violation of the postal laws to mail specimens for examination except as provided for, in special containers.

These containers can be obtained by writing to the laboratory, State Board of Health, Louisville, Ky.

Free treatment for rabies is given by this laboratory. When sending patients for rabic treatment communicate with the laboratory, because it takes time to get treatment from Washington.

The laboratory makes examination of sputum for tubercle bacilli, influenza bacillus, pneumococcus, throat cultures for diphtheria bacilli, blood specimens for malarial parasites, the Widal and Diazo reaction for typhoid fever, gonococcus, spirochaeta, pallida, feces for hookworm, round worm, tape worm and other intestinal parasites, microscopic urinalysis and rabies.

This laboratory does not make tissue examinations.

BUREAU OF FOODS, DRUGS AND HOTELS—Reminders.

Upon the request of the health officer, the Bureau of Foods, Drugs and Hotels will investigate and report on the sanitary condition of the milk supply of any town or county.

(OVER)

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